# e Itliming Journal,

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No. 2036.-Vol. XLIV.

LONDON, SATURDAY, AUGUST 29, 1874.

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	1	uyers.	pen	ers.		uyer		
1	Bampfylde	£ 2 .	£	216	Penstruthal	10s.	1	28. 6
1	Bog	118.	13	9.	Prince of Wales1	2s. 6d	l	15s.
li	Birdseye Creek	21/6.		236	Richmond			
1	Carn Brea	53		6	Roman Gravels (ex div.)	14	*	14
1	Cathedral	1				Su.	***	78.
2	Chapel House Colliery	ā.	***	436	South Carn Brea	2	***	2
2	Clee Hill Colliery	Qu.	10	8	South Condurrow	31	4	3
2	Cook's Kitchen	914	1	034	South Roman Gravels	100	3	20 6
	Devon Great Consols				St. Ives Consols			
3	Ding Dong			978	Sweetland Creek	93	1	4
á	Ding Dong	44	· · · ·	6	Tankerville	71	4	71
÷	East Grenville	99 .	Ka	1.	Tecoma	14-17	9	3.60
1	East Lovell	11 .	1	3	Tincroft	30		04
i	Emma	1 1/2.		198	Trumpet Consols			
1	lagstaff	31/2.		398	United Mexican	33	8	3
(	reat Laxey	1034.	1	11/4	Utah	108.	1	28. 0
1	adywell	234.		2%	Van Consols	22	***	24
1	Marke Valley	158	17	8.	Van Consols	- 3		3
1	New Consols	114.		13/4	West Chiverton	2		2
(	Old Bottle Hill			11/4	West Tankerville	1	100	3 2 1
1	Parys Mountain	78	8s		Wheal Grenville	33	4	4
£	Pennerley	114.		134	Wh. Kitty (St. Agnes)	63	4	7

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This company has been formed for the purpose of acquiring and working the North Prince Patrick Lead Mine.

It is situated in the parishes of Ysceifiog and Holywell, in the county of Flint, about 2 miles from the town of Holywell, and is surrounded on all sides by mines that are of historic repute, and which have yielded, and are still continuing to yield, immense returns of ore.

Among these may be mentioned—Prince Patrick Mine, adjoining the property, having the same lodes, which have returned in dividends 35 per cent. of its capital in a short time, and the shares are now worth four times the original price. South Prince Patrick, which, after a few months' working, has attained most satisfactory results, and justifies the confident expectation of the company speedily taking its position among the prominent dividend mines.

The sett contains north and south and east and west lodes. Among the former is the Parry's Plat, from which the Prince Patrick and South Prince Patrick Mines are continuing to make large returns; among the latter are the Silver Rake and Pullygaseg veins, which have produced enormous riches in the adjoining mines.

Two shafts have been sunk at a cost of about £7500 on the property; the eastern shafts is down 90 yards, and the western shaft, where the lode is visible, is down 60 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down 80 yards, and the western shaft, where the lode is visible, is down

Two shafts have been sunk at a cost of about £7500 on the property; the eastern shafts is down 90 yards, and the western shaft, where the lode is visible, is down 60 yards.

From the western part of the mine there has been already a large quantity of lead raised, which realised a high price, owing to the richness of the ore for silver. It is intended to extend the drivings to intersect the Farry's Flat, and also to intersect the Farry's Flat, and also to intersect the Fullygaseg lods, which is undoubtedly one of the richest lodes in the district, and traverse the whole of the sett, and it is confidently stated by practical mining engineers that in loss than 20 fathoms driving the lode will be reached, and will realise the most sanguine expectations. Pending this development, considerable returns can at once be made from ore ground already discovered.

The sett is about 70 acres in extent, and is held under a royalty of £1 per ton of ore by an agreement for a lease from the Duke of Westminster for 21 years.

Samples of the ore, which is among the richest in the district, can be seen at the offices of the company. Intending investors are requested if possible to visit the mine and judge for themselves of its value.

The mine has been inspected by Capts. Nancarrow (director of the Bog and Pennerley Mines), Matthew Francis, William Lean, Thomas Roberts, and John Jones, copies of whose reports accompany prospectus. The practical and local experience of these authorities induce the directors to recommend the property as a desirable investment.

As the development of the mine is in such an advanced state dividends will probably be declared within the next six months.

The vendors show their opinion of the merits of the property by agreeing to take the entire purchase money, 12,0004., in shares, so no profit can be derived by them unless the mine is successful, as the whole of the money subscribed by the public will be applied to the purposes of the mine.

The only agreement entered into is between John McCallum, of Fl

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WAGON WORKS,—SMETHWICK, BIRMINGHAM.
\*\*\*\* Loans received on Debenture; particulars on application

# C A P T A I N A B S A L O M F R A N C I S, GOGINAN, ABERYSTWITH,

GOGINAN, ABERYSTWITH,

MINING AGENT, ENGINEER, AND SURVEYOR.

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For terms, apply to Capt. ABSALOM FRANCIS, as above.

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WITH THEIR PRESENT POSITION AND PROSPECT Paice Two Shillings and Sixpence.

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#### NEW GUIDE TO THE IRON TRADE, OR, MILL-MANAGERS' AND STOCK-TAKERS' ASSISTANT;

Comprising a Series of New and Comprehensive Tables, practically arranged to show at one view the Weight of Iron required to produce Bolier plates, Sheet-Iron, and Flat, Square, and Round Bars, as well as Hoop or Strip Iron of any dimensions. To which is added a variety of Tables for the convenience of Merchants, including a Russian Table.

By JAMES ROSE,

Batman's Hill Ironworks, Bradley, near Bilston.

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"The work is the result of much labour, and is decidedly valuable."—Engineer.
"By its use many hours time spent in tedious calculations will be saved and many very serious errors avoided."—Wolverhampton Chronices.
London: Mining Journal Office, 28, Fleet-street; and to be had of all book sellers.

#### THE IRON AND COAL KINGS OF THE NORTE, IV .- JOHN BOWES.

For nearly half a century Mr. John Bowes, of Streatlam Castle near Barnard Castle, has been known as one of the largest owner of mineral property in North Durham, and no one has more con-

of mineral property in North Durham, and no one has mere as spieuously been mixed up with the coal trade of the North during its most palmy and progressive annals. The career of Mr. Switch and the property of the North during its most palmy and progressive annals. The career of Mr. Switch and political career.—2. His racing career.—4 in career as a coalowner and commercial man. In each of these recities he has achieved considerable distinction.

Mr. Bowes is a scion of the Strathmore family, from which we believe he has inherited the splendid grounds and residence of Streatham, which he has made his home for the greater part of a long and busy life. He is also a scion of the House of Hyllong, if Hyllong, in Staindrop, Darlington, and Stranton. In Longsad, a scion of the Archive of the House of Hyllong and Staindrop of the Courtes of Strathmore, who has a six as a supplied of the Courtes of Strathmore, when he has a swip from the protection of the Courtes of Strathmore, who has a six of the translation of the Courtes of Strathmore, who has a six of the translation of the circumstances that led to Stoney Bowe his sentenced to three years imprisonment, and divorcement from he courtes, and the same exciting history is recorded at greater length in Foot's Life of Bowes and the Countess. The Strathmore family is one of very high antiquity, having a lineage stretching back the French family of Lion (originally sprung from the noble Rome house of Leoni), who accompanied the Norman into England is 1096, and removed into Scotland about 30 years afterwards. John in the county of Durham, and heaven of Wary Light and the same and the counter of Strathmore, and the same and the counter of Strathmore, and the county of Durham, and heaven of the United Kingdom, by the strathmore family of Lion (originally sprung from the noble Rome house of Leoni), who accompanied the Norman into England is the county of Durham, and heaven of the Arthur the same and the same and

Altogether, as we have already indicated, Mr. John Bowes is one of the most extensive and most enterprising colliery owners in the North. His principal partner is Mr. Charles Mark Palmer, M.F. for North Durham, whose large ironmaking and shipbuilding works at Jarrow are supplied with fuel from the Marley Hill collieries to the extent of over 1000 tons per day. It is a long time since Mr. Bowes retired from the active control of his extensive mineral properties, but he, nevertheless, continues to manifest even to the present time an eager interest in everything tending to promote their development. development.

sent time an eager interest in everything tending to promote their development.

The political career of Mr. Bowes may be said to have commenced with the passing of the Reform Bill of 1832, when he became a candidate for the representation of the southern division of his native county of Durham. He stood in the Liberal interest, along with Joseph Pease (founder of the great house of Joseph Pease and partners), the first Quaker member sent to the House of Common, and was opposed by Mr. R. Duncomb Shafto, of Whitworth. The election was a most exciting one, but it resulted in placing Mr. Pease and Mr. Bowes at the head of the poll, the former receiving 2273 and the latter 2218 votes, while Mr. Shafto only scored 1841. The victory secured on this occasion was so decisive that the string members were returned without opposition in 1835 and 1857. They were, however, less fortunate in the general election of 1841. In that year Mr. Pease retired from parliamentary life. In his stead Lord Harry Vane, brother to the Duke of Cleveland, was brought forward as a Liberal candidate, and headed the poll, while Mr. Bowes came second, and James Farrer, of Ingleborough, Yorkshire, who stood as a Conservative, was defeated. This election was accompanied by great excitement and rioting. In 1846 Mr. Bowes shire, who stood as a Conservative, was defeated. This election was accompanied by great excitement and rioting. In 1846 Mr. Bowes boldly published a letter to his constituents, announcing a change in his views on the subject of agricultural protection, and his determination to support the commercial system of the Government then in office. In the following year he retired altogether from parliamentary life, after having represented South Durham, the greatest coal producing constituency in the world, for a period of greatest coal-producing constituency in the world, for a period of 15 years.

If years.

For the last quarter of a century Mr. Bowes has been better known, perhaps, as a patron of the turf than in any other capacity of a public character. He has owned during that time a large and valuable stud of racing horses, some of which have been highly successful and sacured for their owner immense sums of money. cessful, and secured for their owner immense sums of money. Assaid that when old Taraban won the Northumberland plate, some

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Aug. ago, she brought to her owner a sum of over 50,000%, and at the state of this phase of the state of the state of the state of this phase of the state of the st and it is one of the most cherished wishes of Mr. Bowes, so far egards terrestrial affairs, that he may live to see his princely formally handed over to the town of Barnard Castle (for which

termally handed over to the town of Barnard Castle (for which has otherwise done so much) in all perpetuity. So little has Mr. Bowes been mixed up with public affairs during slat 20 years that he may almost be said to belong to another certion. But in his time he has not shrunk from bearing the plen and heat of the day, and his former connection with many situtions now alive and flourishing in the North, and his generous the highest and claims recommended to his notice, have itiutions now alive and nourisining in the North, and his generous aport of all objects and claims recommended to his notice, have talive his memory in the homes and hearts of the inhabitants his na ive county. His career, taking it for all in all, has been of the most busy and eventful that any man whose name has me so little before the general public could possibly lead, and he samed, probably, as much as any man the rest and repose which

m.—The concluding paragraph of our sketch of Mr. Hugh Taylor should red to the present occupant of Chipchase Castle, and not to his uncle, to preceding portion of the article related. The mistake and its reason us to those who have enjoyed the acquaintance of the Messrs. Taylor— nom, in their day and generation, have rendered yeoman help in building at fabric of Northern industry.

#### TECHNICAL EDUCATION-No. III.

w enjoys at his beautiful residence of Streatlam.

UNIVERSITY OF DURHAM COLLEGE OF PHYSICAL SCIENCE NEWCASTLE-ON-TYNE.

Then the question of encouraging technical education in connec with industrial pursuits was first raised in this country Newon-Type was amongst the foremost to recognise its importance the energetic efforts of those interested in the commercial prothe energetic efforts of those interested in the commercial procity of the district first took a practical form in the year 1852,
see Mr. Nicholas Wood and other gentlemen connected with
sing operations founded the North of England Institute of Mining
siners. This society has gradually grown to be a powerful body,
the upwards of 800 members, and a few years ago it admitted
chanical engineers. It is now under the presidency of Sir W.
mitrong, a distinguished member of the latter profession. The
stitute has published 23 volumes of Transactions, in which various
sixts such as ventilation, underground traction, and safety anstate has published 20 volumes of I ransactions, in which various sets, such as ventilation, underground traction, and safety aptus, are treated on in the most masterly way, and, in fact, these mes contain the only reliable information that can be obtained asny subjects connected with mining. Mr. Nicholas Wood, the sent mining engineer, was the first president, and at the first gift of the members alluded to the necessity of establishing a sol or College of Mines in Newcastle. In 1855 the subject was taken up by the Council and the Duke of Northumberland.

inent mining engineer, was the first president, and at the first sing of the members alluded to the necessity of establishing a solo of college of Mines in Newcastle. In 1855 the subject was in taken up by the Council, and the Duke of Northumberland and to contribute 10,000l. towards its endowment, provided that 600l. more could be raised in the district. Ultimately in 1871, tag the presidency of Mr. E. F. Boyd, whose connection at Duragave him opportunities of bringing the subject before the austises of the University there, the College of Physical Science, so a sought for, became a reality.

\*\*Ne University of Durham College of Physical Science, Newcastle-style, was founded in October, 1871, for the teaching of physicience, particularly in its practical application to engineering, ming, manufactures, and agriculture, and has hitherto had a brilling annufactures, and agriculture, and has hitherto had a brilling annufacture, and the subject is to furnish the advantages of an anced scientific education, especially to the inhabitants of North-behand, Durham, the North Riding of Yorkshire, Cumberland, Westmoreland. Chairs have been established in Pure and April Mestmoreland. Chairs have been established in Pure and April Mestmoreland. Philosophy (Prof. A. S. Herschel, B.A., F.R.A.S.); sology (Prof. David Page, LL.D.); and in Biology. Additional sees have also been established in Latin and Greek (Rev. J. B. mm., B.D.); French (M. C. Tiesset, B.A.); German (H. Schünem, Ph.D., Leipzig); and Mechanical Drawing (J. A. G. Ross, M.E.) and the students for last session was 78.

\*\*Me course of study, which extends over two years, each divided of three terms, consists partly of attendance at lectures, and dy of work in the laboratory. Examinations are held at the of each year. On completing a suitable course of study, and aing the required examinations, students will receive the title of each year. On completing a suitable course of study, and aing the required examinations, students will receive the title of paranum toward

e and the Ecclesiastical Commissioners each contribute 100%. The Ecclesiastical Commissioners each contribute for There are also several other subscriptions. As the College Apressly established by the aid and for the benefit of the gland, its constitution has been so framed that the five on Counties and their Municipal Corporations shall be repre

F.K.S., Sir W. G. Armstrong, Mr. E. F. Boyd, Mr. G. B. Forster, R. S. Newall, and others of equal knowledge and experience, ughless familiar to the readers of the *Mining Journal*, and that member of the Council is, from his profession and occupation, instably placed for judging the precise kind of scientific instructions this profession and occupation, institutely to be of practical utility to the student seeking it. a before the College of Physical Science was really in existence as remarked in the Journal that the attempt to diffuse high time instruction amongst all classes of the community indistingly, and without regard to the mental capabilities of the fidual, or his social position, is productive of more evil than ridual, or his social position, is productive of more evil than fit; and it was predicted that because the College of Physical cos would place every facility in the way of those in a position

to utilise the knowledge imparted there without throwing open its doors to all comers, it would speedily attain a high position, and enjoy a long career of great prosperity. With regard to the attainment of a high position, the first portion of the prediction has already been realised; and from the steadiness of the progress made there is no reason to fear that the success is ephemeral. The position of the Callors are the already been realised.

ment of a high position, the first portion of the prediction has already been realised; and from the steadiness of the progress made there is no reason to fear that the success is ephemeral. The position of the College, as has already been observed, gives it peculiar advantages: it is in the immediate vicinity of collieries and metalliferous mines, and surrounded by industrial establishments of considerable extent, and it is within easy reach of all the great manufacturing districts in the kingdom, so that the students have the opportunity for acquiring a knowledge of the practical details connected with the branches of industry to which they intend to devote themselves whilst studying the scientific principles involved, and a knowledge of which is likely to be of service to superior officers entrusted with the direction of them.

But that which will probably prove the greatest attraction to students in considering the relative advantages of the Newcastle College of Physical Science, and of other English science schools, is the fact that the studies lead to an academical position in the University to which it is affiliated. The two regular examinations held during the second year entitle those who pass them successfully to the rank of Associates in Physical Science, and students who have obtained the associateship are admissible to the degree of Bachelor of Science, provided not less than two years shall have intervened from the time of their becoming Associates, after passing an examination in not less than six specified subjects. The subjects mentioned are mathematics pure and applied, physics, chemistry, geology, engineering, biology, either Latin or Greek, either French or Latin, the last two of these being compulsory. And to meet the case of students who proceed direct from the College to the practice of their profession the University has provided that Associates in Physical Science who, after their admission to this rank, have been energaged for three years at least in some practical work of mechanical, Physical Science who, after their admission to this rank, have been engaged for three years at least in some practical work of mechanical, mining, or civil engineering, approved by the Council of the College of Physical Science, and have subsequently passed a further examination, having principally reference to the work in which they have been engaged, shall be admissible by grace of the University to the title of Mechanical, Mining, or Civil Engineer of the University to Durham.

to the title of Mechanical, Mining, or Civil Engineer of the University of Durham.

Although the success which has attended the Newcastle College of Physical Science has been most gratifying, and contrasts very favourably with that which has been achieved by other institutions in this country intended to be similar, it is not difficult to understand the reason. Its Council is composed exclusively of men of business, who spare no trouble when the welfare of the district can be promoted by their exertions. There is an ample staff of well paid Professors, and the secretary, Mr. Theo. Wood Bunning, is not only thoroughly competent for the position, but ever as ready to devote his best efforts to the advancement of the College as he has been to extend the usefulness of the parent institution—the has been to extend the usefulness of the parent institution—the North of England Institute of Mining and Mechanical Engineers; whilst to the close connection of the College with the Institute may whilst to the close connection of the College with the Institute may be traced one of the most important advantages which the students of the former possess—that of availing themselves without cost of a valuable and extensive scientific library. The whole of the scientific works belonging to the Literary and Philosophical Society and the Institute of Mining and Mechanical Engineers are at the service of students for the purpose of reference or study within the Wood Memorial Hall, the sole condition for admission being an application to the secretary for a ticket, and the deposit of half-a-guinea as caution money by each student to whom a ticket is granted. The examination papers show that the curriculum of study is sound and useful, and leave no doubt that the permanent prosperity of the College may be relied upon.

#### FOREIGN MINING AND METALLURGY.

The Belgian iron trade has experienced very little change, either in respect to the tone of the market or the course of prices. The conclusion is, however, noted of some small affairs in sheets and merchants'iron; these transactions were carried through upon tolerably favourable conditions. The proprietors of blast-furnaces in the Luxembourg maintain quotations for their pig with firmness, and even talk of an early advance in prices. A syndicate is understood to have been formed with a view to the collective realisation of a large affair for the delivery of railway material abroad. The Spanish Government has announced its intention to admit iron and steel rails and other railway material free of duty. It appears from an official return that in April Belgium imported 68,392 tons of minerals, 11,089 tons of rough pig, and 1156 tons of iron. In the same month Belgium exported 5120 tons of minerals, 1167 tons of rough pig, and 22,222 tons of iron. In the last total rails figured for about 8000 tons, plates for 2000 tons, and rolled iron of various descriptions for 9000 tons. The statutes have been published of the Belgian General Tramways Company, founded under the auspices of the Bank of Brussels, the Belgian Bank of Commerce and Industry, and the firms of Jacques Errera and Cassel and Co. The objects for which the company are established are the construction and working of tramways in Belgium and other countries. The duration of the company is fixed in the first instance at 30 years, and the capital proposed is 240,000%, divided into 12,000 shares. The Acoz Forges Company will pay Sept. 1 a dividend of 2½, per share for 1873-4.

Copper has been quiet at Paris, and quotations have ruled rather feeble. Chilian in bars, delivered at Havre, has made 81%, 10s.; ditto, ordinary descriptions, 79%, 10s.; ditto, in ingots, 86%, 10s.; English tough cake, 84%; and pure Corocoro minerals, 80%, per ton. At Havre there has been scarcely any business passing in copper, and prices have been to some extent nominal. At Marseilles copper has been very quiet; the German copper markets have also been very colourless. There has been some little revival in that Paris; Banca, delivered at Havre or Paris, has made 105%, per ton; St merchants' iron; these transactions were carried through upon tolerably favourable conditions. The proprietors of blast-furnaces in the

The Marseilles market has exhibited a little more firmness. At Rotterdam tin has ruled very firm; Banca has risen from 57½ fls. to 58½ fls., a price which has just been paid for 500 ingots. There has not been much doing in Billiton at Rotterdam, in consequence of the firmness of holders, who have refused to sell below 56 fls. In Germany there has been some revival in tin, but transactions have not been of any very great importance. At Paris French lead has been sustained at 211. 3s. per ton, and lead from other sources at 211. 4s. per ton. Upon the German markets lead has ruled firm, without any material change in quotations. There has not been any great amount of business passing in zinc at Paris, but quotations have been well maintained; Silesian, delivered at Havre, has made 221. 16s., and other good marks, delivered at Havre or Paris, 221. 12s. 221. 16s., and other good marks, delivered at Havre or Paris, 221. 13

22l. 16s., and other good marks, delivered at Havre or Paris, 22l. 12s. per ton. Business in zinc has been quiet at Marseilles; rolled Vieille-Montagne has brought 3ll. 4s. per ton. There has not been much doing in zinc in Germany.

The improvement noticed in the course of metallurgical affairs in France appears to be sustained; and although the state of affairs cannot be considered brilliant, there is not much ground for complaint if the condition of trade is compared with that prevailing in Germany, Austria, and Belgium—countries in which the iron trade continues to exhibit considerable depression. Prices in the Nord, in the Meurthe-et-Moselle, and in the Ardennes are firm, with a slightly upward tendency. Old rails have been in some request at 5l. 16s. to 6l. per ton.

Tenders received for coal required for the Belgian State lines ex-

Tenders received for coal required for the Belgian State lines exhibit a slight weakening in prices, and do not confirm the upward tendencies which had been talked of in prices. In connection with this adjudication it should be noted that the house of Lanezwert, at Antwerp, offered to deliver Newcastle coal at Ostend at 11s. per ton, and at Gand at 11s. 10d. per ton. English competition in the matter of coal would appear to be becoming more serious in Belgium; it is certain that at such points as Brussels, Gand, Alost, Ostend, Bruges, Courtrai, Tournai, Malines, and Antwerp, English coal presents itself upon advantageous conditions. A continued fall Tenders received for coal required for the Belgian State lines excoal presents itself upon advantageous conditions. A continued fall in the price of Ruhr coal indicates an analogous danger for the Rhenish frontier of Belgium. A further advance in the rates charged

for the conveyance of coal on the German lines is the sole cause which checks at present the arrivals of large quantities of Ruhr coal upon the Belgian markets. It is considered probable, upon the whole, that coal will be maintained until the winter, as it has been maintained hitherto, with but very slight variations. The imports of coal into Belgium in the first four months of this year are shown by official returns to have amounted to 115,996 tons, as compared with 165,944 tons in the corresponding period of 1873. In April alone 26,000 tons of coal were imported into Belgium (13,000 tons from England) as compared with 60,000 tons in April, 1873. The exports of coal from Belgium in the first four menths of this year amounted to about 1,000,000 tons in round figures, as compared with 1,372,000 tons in the corresponding period of 1873. The exports of April were 305,000 tons, against 344,000 tons in April, 1878.

The Paris Coal Market is as quiet and cold as possible; all that the partizans of a rise in prices have been able to achieve has been to maintain quotations with firmness at their former level. Everywhere, and especially in the Pas-de-Calais, preparatory works are for the conveyance of coal on the German lines is the sole cause

to maintain quotations with firmness at their former level. Everywhere, and especially in the Pas-de-Calais, preparatory works are being pushed forward, and working operations are being carried on with a view to the future at the expense of the present extraction. Already this policy of abstention has yielded the results which had been expected from it, and slowly formed stocks have rapidly disappeared. The other coal basins of France support less easily and readily the present quietness in affairs, and they have more difficulty in maintaining an equilibrium between the demand and the extraction. French coalowners are also not without apprehensions that the competion of England and Germany in the matter of coal may become more serious and decided. become more serious and decided.

### Begistration of New Companies.

The following joint-stock companies have been duly registered:—

The following joint-stock companies have been duly registered:—
WELSH WALLSEND COLLIERY COMPANY (Limited).—Capital
100,000/., in 100/. shares. To acquire coal mines in the parish of Liantrissant, Glamorgan. The subscribers (who take one share each) are—J. A. Jeffrys, Mesham,
Wilts; J. P. Hall, Westhury, Wilts; D. Blake, Liangonoyd; D. Davies, Liangonoyd; A. H. Wetherell, Park-road, Peckham; W. H. Forbes, Ilford; W. Dickson, Circus-place, Finsbury.

MIDDLETON GLAZE STONE LEAD MINING COMPANY (Limited).
Capital 20,000/., in 5/. shares. To acquire the Middleton China stone quarries in
the county of Monigomery. The subscribers (who take one share each) are—J.
Gillman, Albion-road, Stoke Newington; F. L. Barrington, 38, St. James's-street;
R. W. Jenkins, Sutsee-road, Hollowsy; J. Hall, Lyndhurst-grove, Peckham; H.
Lampden, 35A, Moorgate-street; J. W. Flaneldy, Clontarf.
GUIDIANA COMPANY (Limited).—Capital 600,000/., in 20/. shares.
To acquire mines in the province of Huelva and elsewhere, and also to carry on
business as miners and smelters. The subscribers (who take 50 shares each) are—M. Yglesias, King's Arms-yard; L. Huth, City, E.C.; F. M. Huth, Tokenhousyard; W. L. Lancaster, 9, King's Arms-yard; H. Grunning, 88, Adelaide-road,
N.W.; H. H. Dobree, Tokenhouse-yard; W. Dent, Ilo, Cannon-street; H. W.
Dent, King's Bench-walk, Temple.

NORTH PRINCE PATRICK LEAD MINING COMPANY (Limited).—
Capital 20,000/., in 1/. shares. To acquire the North Prince Patrick Lead Mine, in
the county of Flint. The subscribers (who take one share each) are—N. I. F. Barnett, St. John's-road, Brixton; H. Rayner, jun., Chester; R. H. Moore, Rock Ferry;
S. M. Gordon, St. Michael's House; G. H. Cardozo, 16, New Broad-street; P. O'R. Robinson, Bowling-green-street, Kennington.
LONGWITTON AND GREENLEIGHTON COAL AND LIME COMPANY
(Limited).—Capital 30,000/., in 1/. shares. For the development of collieries, &c.,
at Hartburn, Northumbeerland. The subscribers are—W. H. Daniel, Newcastle,
200; W. Bell, Morpeth, 50; Thomas Bonner, Long Witt

Navy Club, 10; J. Gutteres, 24, Bolton street, 10; J. F. W. Woodward, The Knoll, Beackenham, 10; C. B. Webb, 34, St. George's-street, 10; and H. Wernwick, 71, Stamford-street, 11.

NORTON BROTHERS AND COMPANY (Limited),—Capital 300,000l., in 10l. shares. To take over the business of Messrs. Norton Brothers, of Huddersfield. The subscribers are—W. Norton, Lockwood House, Denby Dale, Yerk, 3334; B. Norton, Denby Dale, 3339; Thos. Norton, Bagden Hall, Derby, 3339; James Farmer, Regent-street, 200; J. H. Bottomley, Nortonthorpe, York, 200; Alfred Marshall, Woodland, York, 250; C. Scholefield, Clayton West, York, 110.

BANKS AND COMPANY (Limited).—Capital 100,000l., in 5l. shares, To acquire a patent for producing a raised photo-block fit for printing from an original drawing. The subscribers are—J. Richardson, 8, Great Winchester-street, 25; R. Ekless, Woolston, Hants, 50; A. C. Cator, 6, Melcombe-place, 25; G. H. Money, 6, Jermyn-street, 50; G. M. Bright, 8, Great Winchester-street Buildings, 25; W. D. Winn, Coleby Lodge, Kilburn, 1; F. Hersee, Clifton Villas, Peckham; I. AUTOMATIC AND GENERAL SEWING-MACHINE COMPANY (Limited).—Capital 25,000l., in 5l. shares.

JOHN H. GARTSIDE AND COMPANY (Limited).—Capital 200,000l., in 10l. shares. To acquire the business of Mr. John W. Gartside, Cotton splaner, &c. The subscribers (who take 10 shares seach) are—J. H. Gartside, Fountain-street, Manchester; W. Lees, Fountain-street, Manchester; A. Nadue, Dukinfield; Thomas Hibbert, Ashton-under Lyne; J. Taylor, Ashton; H. Howarth, Ashton; C. T. Bradbury, Staleybridge.

CHOREMI, MELLOR, AND COMPANY (Limited).—Capital 200,000l., in 50l. shares. To accourse the business of Mellor and Co., of Liverpool, and Choremi, Mellor, Bolton; J. R. Cross, Bolton; J. Blight, Manchester; W. R. Mellor, Liverpool; G. Mellor, Bolton; J. R. Cross, Bolton; J. Blight, Manchester; W. R. Mellor, Liverpool; C. L. Perry, Bolton.

HENRY BURY AND COMPANY (Limited).—Capital 50,000l., in 10l. shares. To acquire a chemical manufacturing business at Accrington,

Pure Wines for English Consumers—The Bodega.—It is but a few years ago that even the flavour of pure and natural wines was entirely unknown to the great majority of Englishmen, the ports and sherries which were alone met with in England, except on the tables of the rich, being so largely fortified with brandy that the faintest recognition of the flavour of the grape was rendered impossible, and that foreigners accustoned to natural wines frequently asked the question, when offered English port or sherry, "the name of the spirit, and what the was produced from." Previous to the commercial treaty with France the port and sherries "especially prepared for the English market," were the only whose which it was aste for a merchant to import; but since that time the taste for pure wine has been gradually extending until at the present time, although Englishmen, as a rule, still like their wines moderately fortified owing to the climate in which they live, the English can appreciate purity and delicacy of bouquet almost as readily at those who inhabit wine-producing countries. The opening of the English market for the light wines of France naturally led the wine growers of other countries to exert themselves to secure a share of the growing trade, and representatives of German, South African, Spanish, Greek, and Portuguese natural wines established themselves in London, but in many instances, owing to insufficient acquaintance with the English palate failed to obtain that amount of success to which they were fairly entitled. Even in 1862 the Portuguese Commissioner to the International Exhibition in London failed to secure appreciation for the natural wines of Portugal—the wines which the Commissioner assured us were of the finest growth which Portugal could produce, and which for delicacy and bouquet certainly could not be excelled, being passed by the Jurors without even honorable mention, whilst the fortified wines, "especially prepared for the English market," were admired and favourably noticed. This state of thin PURE WINES FOR ENGLISH CONSUMERS-THE BODEGA .- It is restitution by giving to the general public the opportunity of tasting and paying for its wines in the smallest quantities, and thus dealing with those whom they hoped would soon make them rank among the largest wine importers. The speculation was founded upon true principles, and yet it was regarded by the trade with anything but favour. It trod on the toes of monopoly; it made the lazy generation of "family wine merchants" uncomfortable, for they would have to compete with a monster that knocked away the stilled pedanty of those tradingas merchants, yet not turning over in one year the amount returned by any average shopkoeper. It is now eight years since Messrs. Lavery and Co. inaugurated their system and already their consploueus trade mark. Upon an secuteheon sable, a bend sinister. It is now eight years since Messrs. Lavery and Co. inaugurated their system and already their consploueus trade mark. Upon an escuteheon sable, a bend sinister agent, with the word "Bodega" sable thereon: crest, a royal crown, in corresponding colours—has become extensively known throughout the kingdom; their success has been most gratifying, so that whilst still remaining wine merchants, they are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language of the success has been most gratifying, so that whilst still remaining wine merchants, they are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very considerable shippers. Relying upon the support of the language are now also very c

GREAT MOUNTAIN (Silver-Lead).—Mr. John H. Tilly (Tilly and Co.) has been appointed sceretary of this company in the room of Mr. J. W. Thomas. The Vice-Chancellor has appointed Mr. John Henry Tilly (Mesers. Tilly and Co.) official liquidator of the Penalt Silver and Mining Company (Limited), in the room of Mr. J. W. Thoms.

### Meetings of Bublic Companies.

#### CORNWALL MINERALS RAILWAY COMPANY.

CORNWALL MINERALS RAILWAY COMPANY.

The third ordinary general meeting was held at the Cannon-street Hotel, yesterday,—Mr. A. C. Sherriff, M.P., in the chair.

The notice calling the meeting was read by Mr. R. C. Preston, the secretary. The directors' report was taken as read.

The CHAIRMAN said: Now, gentlemen, I rise to move the adoption of this report, which is, I think, all that is required of me on the present occasion. There are not a large number of shareholders present, nevertheless it may, perhaps, be as well to mention a few salient points connected with your undertaking for the information of those present, as well as of the absent shareholders. Your line is now opened for traffic, and of one or two branches of that traffic the experience of the last month or two has been very satisfactory. It has not been quite so satisfactory in some other branches, but that is consequent upon inadequate accommodation in the shape of sidings; that accommodation applying in some respect to unselves, and in a greater respect to the senders of goods. For instance, the mining corporations which are by agreement to put a very large tonnage of iron ree on to the railway have been prevented from doing so by the sidings and inclines not having been constructed in time to send the stuff away on the open ing of the line. However, that is in course of arrangement, and we expect in the course of a very few weeks, and indeed in a very few days in some cases, that the large iron ore traffic which we expect to come upon the line will begin to form part of our traffic. Uptothepresent time from the sources open to us the traffic has been very satisfactory, and I have no doubt (as I never had any doubt) that the development of the railway will show that we shall have a good property. No railway ever did develope it once as if by a strike from a magician's wand; you require to watch and develope it in a way that such properties are usually developed. There solution was seconded by Admiral SMITH, and carried, no questions being saked.

way ever did develope at once as if by a strike from a magician's wand; you require to watch and develope it in a way that such properties are usually developed. I have no doubt whatever about the ultimate 'result of the undertaking. I beg leave to move that the report and accounts now presented be received and adopted. The resolution was seconded by Admiral Shifti, and carried, no questions being asked.

The Chairman said that before the meeting separated there was one point he wished to refer to. Letters had been received from one or two shareholders, one of whom sent a copy of a Cornish newspaper, which complained of the high rates which were being charged by this company, and spoke of 1d. per ton per mile being a fair remuneration for the work done. He would just say that id, per ton per mile being a fair remuneration for the work done. He would just say that id, per ton per mile was a totally inadequate remuneration for such a railway as this. This railway was a line for the accommodation of the works in the district. It had been carried out at a very large expense: from the character of the country it was a most difficult one to construct a railway in; some of the rolling gradients were in 40, and most of them against a load, therefore he, knowing something of railway management, would much rather in a railway like the North-Eastern carry minerals at id. per ton per mile, and it could be done with a greater amount of profit than was derived from the charge now made on this line—3d, per ton per mile, the was all very well for people who had had a railway made for them to say that the traffic should be carried at a low rate. The country of Cornwall had had his railway made for it, but he doubted very much whether they had a shareholder in Cornwall, certainly not more than one, and for a very small amount, and although excessively philanthropic in their way, the directors did not like to throw away the company's money, but were bound to study the interests of their shareholders, and to charge such rates as w

LLYNVI, TONDU, AND OGMORE COAL AND IRON COMPANY. The ordinary general meeting of shareholders was held yesterday

at the Cannon-street Hotel,
Mr. ALEXANDER BROGDEN in the chair.
Mr. J. J. SMITH (the secretary) having read the notice convening

the meeting.

The CHAIRMAN said he had received a letter and some resolutions from a body of shareholders at Southport which he would call upon

Mr. J. J. SMITH (the secretary) having read the notice convening the meeting,
The CHATRMAN said he had received a letter and some resolutions from a body of shareholders at Southport which he would call upon the secretary to read.

Mr. SMITH read the letter and resolutions passed by some shareholders at Southport, which stated that they considered the 5 per cent. dividend very unsatisfactory, inasmuch as they understood that they had been guaranteed to per cent. per annum for two years, and on that provious many of the shares were make up such an amount by taking from the reserve fund so much, and that such sum should be made up by the vendors. They also urged that a gentlemen should be elected to a seat at the board to represent the Southport shareholders, and suggested the name of Mr. Skichard Needham.

The CHAIRMAN said he would first allude to the resolutions which had just been words which be believed would simplify the question. The resolution first of all said that the report was unsatisfactory, and that the dividend of 5 per cent. was not what the shareholders had a right to expect, and consequently the directors were bound from some source or other, either from the balance remainin; in their hands, or from a call on the vendors, to make up the dividend to the guaranteed sum paragraph in the original prospectius which related to the guarantee. Shareholders, unfortunately, took into their heads a certain interpretation without looking either at the language or the meaning of certain clauses; and then, after having forgotten the language or of meaning of certain clauses; and then, after having forgotten the language or of meaning the shareholders were juited in the paid-up capital of the company of the company, as guarantee that the net profits will within five years amount to a sum equal to an average profit on the paid-up capital of the company of the company of the per cent. Juin 1918 of the shareholders would be good enough to look at the accounts of the company for its year they would see that the qu works at the time of taking the stocks, and verified him in many instances—sufficient to give them a knowledge of the accuracy of the remainder—the fact that those stocks were there, and the valuations were on the table, and any shareholder could see them. Taking the two years they had been at work since the company was founded together, if they would look at the accounts they would find that during the year they had a very sectious drawback—a loss by the atrike which prevailed in South Wales. It was difficult to according exactly what any disturbance of that kind eact, but he had never in his own mind put that affair down as costing the company less than 50,000. If they coupled with that the breakdown at Llynvi, and the diminution in the value of stocks, and estimated the loss from those causes, it would be found that it amounted to 40 per cent. on the capital, which, but for those unfortunate circumstances, would have been made out of the profits for the two years: 10 per cent. had been paid on the first year, and 7½ per cent. for the second, and he thought, considering the state of things in the iron trade, and the circumstances to which he had alluded, shareholders should be careful how they said the concern had not produced satisfactory results. The works at Llynvi had not shown a profit, but in fact a loss, so that the profits had not only been derived from the Tondu and Ogmore works, but those works had had to bear the loss of Llynvi. The directors believed that the works at Llynvi might be made as profitable as the others, but further expenditure on them would be necessary. The question in dispute between the vendors and the company was much in the same position as it was at the last meeting, excepting that the vendors agreed that the instructs of all to have the matters in dispute settled by arbitration. With regard to the depreciation, that tiem might be considered rather small, but the whole of the cost of the accident at Llynvi having been borne in the expenses of the year the directors came to the

The amendment was put to the meeting and carried.

On the motion for the declaration of a dividend at the rate of 5 per cent. per annum, Mr. Swallow moved an amendment, to the effect that the dividend be at the rate of 10 per cent. per annum, and that a portion of the reserve fund be appriated for that purpose.——Mr. Adams seconded the amendment. The amendment was put, and lost by a majority. The original resolution was put to the meeting and carried.

Messrs. E. De Pass, Barchard, and Braby, the retiring directors, were re-elected and the retiring auditors—Messrs. Chadwicks, Adamson, Collier, and Co.—were re-appointed.

A vote of thanks to the Chairman and directors terminated the proceedings.

#### SOUTH WALES COLLIERY COMPANY.

The extraordinary general meeting of shareholders was held yesterday, at the London Tavern,—Major L. Heyworff in the chair.

The Secretary read the notice convening the meeting.

The CHAIRMAN: Gentlemen, I have not very much to say upon the report to-day. I have simply to move its adoption, but in doing so I may remark that the dividend is somewhat less this half-year, owing to the strike of the house coal colliers. Naturally that has entailed a less upon the company, and but for its occurrence the the report to-day. I have simply to move its adoption, but in doing so I may remark that the dividend is somewhat less this half-year, owing to the strike of the house coal colliers. Naturally that has entailed a loss upon the company, and but for its occurrence the dividend would be greater by 600l than it now appears. I think, however, the result of the last half-year's working is by no means unsatisfactory. I think it will compare favourably with any colliery in South Wales as far as the profit made in the six months is concerned. (Hear, hear.) The output of coal has not been so large as we should have liked, and the cottages had not yet been all built. Owing to so much building going on in theneighbourhood there has not been case. Only 19 out of 80 in course of construction are completed, and of these only 13 are occupied. We have 26 additional ones nearly completed, and of these only 13 are occupied. We have 26 additional ones nearly completed, and of these only 13 are occupied. We have 26 additional ones nearly completed, and of these only 13 are occupied. We have 26 additional ones nearly completed, and of these only 13 are occupied. We have 26 additional ones nearly completed, and or the output of coal; or, at least, until our new pit is sunk. For as time goes on our works are each day carried further from the pit through which we are at present working, and that, consequently, reduces the amount of coal raised. You will notice that during the past half-year 14,559f. 7s. 7d. has been expended on capital account, and we have also taken the present opportunity of wiping off a very ugly item in the accounts by applying the amount paid on forfeited shares to extinguish it—the outlay account which was incurred some years ago, and that aum is now cleared off the accounts of the company, very much, I think, to its benefit (Hear, hear.) I may just anticipate a few remarks that I under tand are going to be made by one of our shareholders upon the matter of an expenditure the directors unanimously thought advisab

had been successful.

Mr. Bowyer then went to compare the probable cost of completing the sinking of the new pit and the erection of the new cottages with the money received and to be received available to meet that cost, the result of his calculations being to show that there would be an excess of receipts over outlay of 14,000. Having regard to that fact, he could not see that the necessity would arise, as the Chairman

so be received available to meet that cost, the result of his calculations being to show that there would be an excess of receipts over outlay of 14,000. Having regard to that fact, he could not see that the necessity would arise, as the Chairman had predicted at the last meeting, of making a call.

The CPAIRMAN confessed his inability to follow Mr. Bowyer through his figures at the same time, if the hon. proprietor would put them in writing, he would submit them to the auditors. The amount expended, as well as that received, was clearly shown on the face of the balance-sheet; beyond that explanation he had nothing to offer. As to the further cost of sinking the new shaft, it was quite impossible to estimate that, and, therefore, it was equally impossible to speak positively as to whether it would be necessary to make a call—personally, though that opinion was not shared by all the members of the board, he believed that necessity would arise next year.

opinion was not shared by all the members of the board, he believed that necessity would arise next year.

The resolution was then carried unanimously.

The CHAIRMAN next moved, Mr. LAWRENGE seconded, and it was resolved—"That a dividend of 37s. 6d. upon the old shares and 19s. 6d. upon the new be and is hereby declared, free of income tax, for the half year ending June 37, 1874."

A cordial vote of thanks to the Chairman and directors for their able and satisfactory management of the colliery during the last six months brought the proceedings to a close.

#### AZOFF COAL COMPANY.

The second ordinary general meeting of shareholders was held yesterday at the City Terminus Hotel, Cannon-street,

Mr. THOMAS CHARRINGTON in the chair.
Mr. H. ROBINSON (the secretary) read the notice convening the

Mr. THOMAS CHARRINGTON in the chair.

Mr. H. ROBINSON (the secretary) read the notice convening the meeting.

The CHAIRMAN, in moving the adoption of the report and accounts, said that he would take the opportunity of supplementing the information contained in the report, which necessarily was of a brief character, and in the first place he had to explain that the presentation of the report and accounts had been rather delayed owing to the necessity of their being made up at Gruschefka—in fact, they had only recently been received, he thought the beginning of last week. Messrs. Cooper, the accountants, had made them up, and the directors had called the shareholders together as soon as possible in order that they might see how the operations of the company were proceeding. It was also necessary for him to explain why he occupied the chair that day. In the prospectus which had been first issued his friend Mr. Clay, who sat on his left, had been the Chairman, and the only reason of his vacating the chair was that, unfortunately, his health had been very indifferent in the spring, and having also a great many other matters to attend to, he had asked him (the speaker) to accept the chairmanhip of the company, and all those who knew him were aware that he had thrown a great deal of energy and ability into the management of the concern. (Hear, hear.) He had also to allude to the retirement of their secretary, Mr. Streatfield, from the same cause. Mr. Streatfield's health had completely fulfilled the expectations which the directors had formed of him when they had apploance of the company and all those who knew him were aware that he had thrown a great deal of energy and ability into the management of the concern. (Hear, hear.) He had also to allude to the retirement of their secretary, Mr. Streatfield, from the same cause. Mr. Streatfield's health had completely fulfilled the expectations which the directors had formed of him when they had a ppointed him to the post of secretary. As stated in the report, it had been t meant that they had had many very important duties to be roth in the secondary. In the first instance, they had had to select, which was all-important in a company like theirs, an efficient manager—Mr. Young. His appointment had been made prior to the last meeting, and he believed the unanimous opinion of the board was that a more efficient and admirable manager they could not have than Mr. Young. He was a man who thoroughly understood his duty, and of sterilg honesty and integrity, and he company, and the board were confident that the interests of the company were perfectly safe in his hands. Mr. Young had had most arduous duties to perform since his arrival in Russia. He had found everything in a very crude state: there had been really little or no work going on at the nine, and his first advices had stated that he had, consequently, been obliged to commence as from the beginning. The machinery their manager had found on the spot had been totally inalequate for the purposes for which it had been required, the labour had had to be properly organised, and the difficulties of not knowing the Russian language, overcome by the engagement of an interpreter. The foregoing brief statement of facts would put the proprietors in possession of the causes which had been the means of this, he must say, unsatisfactory report being presented that day. It had been an entirely new mine that had been commenced, but, at the same time, the directors had full confidence in, he would not say thely immediate prosperity of the Company, but in a very improved state of things indeed. Mr. Young wrote very hopefully of the demand that was likely to arise in various quarters, but, of course, all those things must take time, and it was far better that the company should begin quietly, and some gentlemen might consider unsatisfactorily, than begin an old and effet concern that was worn out, and would leave the shareholders on olividends. (Hear, hear.) It was the confidence meaner to liturate success. The board did not come there that day in

When the tramway was laid they would have direct connection between a mines and the railway, which, it was needless to point out, would be of immone and the railway, which, it was needless to point out, would be of immone and the railway, which, it was needless to point out, would be of immone profitable working of the property of the company. (Hear, hear, and deem, profitable working of the property of the company. (Hear, hear, and deem, ment and to the manager of the railway there with regard to the better stopy, ment and to the manager of the railway there with regard to the better stopy, trucks, for during the past months they had been hindered for many for trucks, for during the past months they had been hindered for many for the dispatch of coal through the want of trucks. Those difficulties were greatly and the dispatch of coal through the want of trucks. Those difficulties were greatly and the company were now having a much better supply and one most important thing was that as they were getting established the amand for their coal was increasing. The company, which was utterily stopy and for their coal was increasing. The company, which was utterily stopy and for their coal was increasing. The company is the very last letter they had had from their manager, and also saids if the report, the company had been obliged to build better accommodation for the fixes, stated that the authorities in Russia had promised they would so all the report, the company had been obliged to build better accommodation for the manager and workmen. Their present output of coal was 400 tons per wet, as that, considering the difficulties they had had to contend with, and which is existed, was, he thought, very satisfactory. (Hear, hear.) The men in the expense and was a state of the coal manual transparent to the coal mentions of the company was finished; but, at the same time, he was in hopes that, if the own was hinded to a good harvest they would leave, and only come back when the harm safford the mines a regular and reliabl

POWELL LANTWIT COLLIERIES .- At a general meeting, on Thur rrowing powers of the company were in

day, the borrowing powers of the company were increased to 50,000f.

EAST CHIVERTON.—At the meeting at Truro, on Tuesday, the acounts for the 20 weeks ending July 18 showed a debit balance of 642. 12s, 5d. call of 7s. 6d. per share was made. The call will clear off all debts due to me chants for supplies, and place the company in an independent position. To agent's report was encouraging. They have driven and stoped 58 fms. of ground puring the period a good deal of deadwork has been executed, which has issefered with returns; at the same time it was very essential for the development the mine. Capt. Southey's opinion is unaltered as regards the future of the mis All shares in arrear were forfeited, subject to restoration if amounts be paid white 21 days. It was resolved to transfer the banking account from London to Miners' Bank, Truro.

NANGILES.—At a meeting, held at the mine on Wednes NANULES.—At a meeting, field at the mine on Wednesday, Mr. anville Sharp presented the accounts for 16 weeks ending August 1, showing a noe of 379?. against the shareholders. A call of 3s. per share was made, rations carried on in the eastern part of the mine are more favourable, sain stated that with a little further development, with tin if at only 60. per m, mine would pay well.

[For remainder of Meetings see to-day's Supplement.]

#### FOREIGN MINES.

ST. JOHN DEL REY.—Telegram, Rio de Janeiro, Aug. 22: "Profit for the month of July, 5500." Duty of stamps lessened from short water supply."

DON PEDRO.—July 23: The mineral, which is at present of god quality, continues to be taken from the Canoa and Nos. 8 and 8 shoots. Shiting has been continued vigorously since Sunday last, but progress is not so god aw could wish. The water being drawn from the mine amounts to 18 % cuble this per minute.—Stoping: The southern portion of No. 6 shoot, above the 28, being wrought on, and samples being taken therefrom show good quality general work. In other sections nothing new has taken place.—Explorations: The add level is being continued at a reduced size by four men, and every effort will be made in hasten this most important work. eing continued at a reduced size by four men, and every enousaten this most important work.
Telegram: "Weighed 5109 oitavas; estimate, 6200 oitavas."

Rossa Grande (Gold).—Extract from letter dated July 22; Balti; very small force is at present employed in this mine; and, respecting the los, have nothing of importance to communicate since my last.—Third Formatis: the coffers turn out as well as I anticipate we shall obtain 2 ofts. of gold per moments of the mineral extracted from this mine. The formation continues to impress RICHMOND.—Cablegram from the mine at Eureka, Nevada: "Hall,

ondon.—Week's run, \$45,000. Richmond ore only."
INDRPENDENCE (Gold).—The gold produced at this mine during the month of July weighed after melting 493 ozs., and realised \$8744'84.
TOLIMA.—The directors have received letters from Frias (July 18). from which they learn that the mine continues to open out well, and to mishin te previous rate of production. The accounts and returns for the month of law have not, however, some forward by the present mail, but are promisely is

next steamer.

NEW ZEALAND KAPANGA.—Telegram from Capt. Thomas, Aug. 25:
Cut splendid lode, assaying 32 dwts. per ton. Splendid indications."

PORT PHILLIP AND COLONIAL (Gold).—Telegram, dated Melourne, Aug. 25: "Mouth ending Aug. 12: Yield per ton, 3 dwts. 20 grs. Month investing 6,001."

bourne, Aug. 28: "Month ending Aug. 12: Lieu per ton, a dwis. 20 gin. Americangulus, 800."

MALPASO GOLD WASHING.—July 18: We cleaned up 500 feet of the sluice on the 8th instant, and got out 215 ozs. amalgam, which gave resisted gold 83 ozs.; this has been obtained after a run of 218 hours on new dis, as 855 on waste, with an average head of water of 246 in. Since cleaning up where added 40 ft. of sluice to each end of the sluice. The mine is looking well, ast we are about through the waste. The streak of hard cement above has pinchet or, and nearly the whole face is now good pay dirt; two-thirds at least of this dem up was got in the last two weeks washing. As soon n. w as a constant head water is precured you are bound to receive dividends. Another run will exty be machine up to high banks.

MALABAR GOLD WASHING.—Mr. G. B. O'Reilly, July 18: Previous communications accompanied by reports will have given, it is hoped, all the asrne, Aug. 25:

MALABAR GOLD WASHING.—Mr. G. B. O'Reilly, July 18: Previous communications accompanied by reports will have given, it is hoped, all the use ful information at present available concerning the mine and our present progress. The proposed addition to the lower end of the sluice, and the placing of slire undercurrent in our outlet, has taken up far more time than we at first anticipate, owing principally to the almost solid mass of rock we had to blast through its bend in the Quebrada. Mr. Anderson and the writer were of the opinion that the work should be thoroughly established before any further attempt at washing wis commenced. It is satisfactory to state that we are at last nearly ready to legin serious and we hope productive work. To-morrow the water will be tuned or, and at the present moment there does not appear to be any motive for doubting that our first run will be continued without interruption.

RICA GOLD WASHING.—The directors have received advices stating that the surveys for new water supply were being completed. Owing to the

RICA GOLD WASHING.—The directors have received advices stating that the surveys for new water supply were being completed. Owing to the dry weather there was very little washing being done at the mine.

COLORADO TERRIBLE LODE.—Agent's advices to hand, data Aug. 5:—The mine is looking well; product for the month of July, 350 tons of a grades. The concentration works are running well; up to July 31, 50 tons and 360, per ton. The stock of ore on July 31 was 2390 tons; this quantity will, by the end of the season (Oct. 31) be increased by 900 tons. The shipments to live pool advised are five; weights about 10 tons each, of which one has arried all been sold at 112, per ton. The agent advises that he will ship 10 tons per well until the close of concentration.

NEW PACIFIC.—J. D. Pringle, Aug. 7: I last wrote you on July 2; now working 23 men underground at the present time. The 300 ft. lerd will in now in a distance of 210 ft; we are getting in a small quantity of very fise 6; have just made assays from 8 tons of ore taken from North Star ledge, 700 ft. will of shaft, value \$117 per ton. The noint \$600 ft. west of shaft, same ledge, is looked. of shaft, value \$117 per ton. The point 600 ft. west of shaft, same ledge, is locking very well, and some good ore is being extracted. The level east of cross-cut is set in a distance of \$5 ft.; very little change to notice since my last; am continuing finding detached pieces of very rich ore in the driving of this level. The point properties of the spoken of in my last as being worked on Batter's ledge below the 400 level, is parently exhausted at that point; am sinking on the courselof this ore chimas. The expenses for the month of July will amount to about \$1600. arently exhausted at that point; am sinking on the counter of the expenses for the month of July will amount to about \$1600.

CEDAR CREEK.—T. B. Ludlum, July 31: Since my last we have

CEDAR CREEK.—T. B. Ludlum, July 31: Since my last we have fired the blast in the Yankee claim, comprising 260 kegs of powder. It was prect success, and loosened up a large quantity of gravel. About 10 years are large clay slide came down from the hill top above, and covered up the dd works we have been engaged washing this away until yesterday, at which time we ommenced piping on the bank under which we had the blast. We are now washing pay gravel, and everything connected is working well, including water, group aluices, shaft, branch tunnel, main tunnel, outside sluices, and undercurrents. In Xankee tunnel is being driven ahead. Washing does not interfere with the precision of this work. The Jehosophat is still washing; since my last we have first a blast of 90 kegs of powder, which did good execution. When this gravel this loosened is run out we may consider the claim fairly opened, so that we can was to advantage by being enabled to place our giants on the bottom, herefoler we have been obliged to plpe downwards, and work to greater disadvantage. The Gen is nearly dry, only about 400 in. running. I am buying all the waste wast that is nearly dry, only about 400 in. running. I am buying all the waste wast that on obtain of the South Yuba Canal Company, and have partially made a course of or a constant head of 600 in. to run so long as it has any water (which will be have them still to draw from. I have done this for the purpose of securing was have them still to draw from. I have done this for the purpose of securing was eason has turned out very poorly, and my hope is in the bottom strate.

be about winze in ducing to out, and ground broken atisfact

water to giving us 12 hours will be ke

BLU

ties a sm ted, and i frow for WEST C tom of the ore per folding 21/2 CAPE Co tons per t Nolloth public tic e of 15s.

ore, at an 15s. per or of for sai MENZE:

be about Sept. 1 before we complete a run in the Yankee, as we cannot run constantly (owing to the rocks) until we have opened more space.

UTAH.—J. Longmaid, Aug. 7: Since my last (dated Aug. 3) we UTAH.—J. Longmaid, Aug. 7: Since my last (dated Aug. 3) we have not been able so sell any of our ore, which is a serious difficulty, as our orehouse is crammed full, and we are in want of the cash to make the July pay. I should be a sell to a live make. Several parties have had samples, and talk of purful he will take all was a serious difficulty, as our orehasing, but I expect they want to have it at a lower figure, and that we cannot chasing, but I expect they want to have it at a lower figure, and that we cannot have been apprehended and one of the cash to make the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company consent to, as the present price barely pays us. The Chicago Smelting Company is the bottom of our main tunnel is looking very well; in fact, is now proving in the bottom of our main tunnel is looking very well; in fact, is now proving the bottom of our main tunnel is looking very well; in fact, is now proving in the bottom of our main tunnel is looking very well; in fact, is now proving the bottom of our main tunnel is looking very well; in fact, is now proving in the bottom of our main tunnel is looking very well; in fact, is now proving the bottom of our main tunnel is looking very well; in fact, is now proving in the bottom of our main tunnel is looking very well; in fact, is now proving well in fact, is now proving the provi

she will be supported by the support of the supported by ill very discouraging.
TENT CONSOLIDATED HYDRAULIC GOLD MINE OF CALL

he Miner' Ditch Company will have their branch completed about December 1. The Miner' Ditch Company will have their branch completed about December 1. The mit they are now running; and by next May our branch should be done to be point of raising incline, if pushed energetically, and no unforeseen back-sets. I the mit they are now running; and by next May our branch should be done to be point of raising incline, if pushed energetically, and no unforeseen back-sets. I all sets Ettle change can be reported in this mine. The produce of hacdenda ore men the reserves and the buscone sales had been maintained.—New Concern: Adit to all sets of the adit the vein al got very broad owing to the opening out of both walls, but the work has been attended at a straight direction on account of ventilation. On further advance heat he lode improves in appearance, cross cuts, if necessary, will be driven sha also that develope the set of the difference has the lode improves in appearance, cross cuts, if necessary, will be driven sha also the determine the position of the Iwalls. The soft steatite had see out, and the advance was in harder rook with quartz ramification.—Mine of a attention and the advance was in harder rook with quartz ramification.—Mine of an antoalo de la Ovejera: In Banta Elodia the work is carrying in its centre a red ease of quartz, with water running from the fissures, and from appearances is judged that the frente is fast approaching the lower wall of the lode. In the yer workings a want of ventilation has been experienced, and less ore has been transited, but it is intended to undertake at once a short work from the neighbourze mine of Ban Miguel (denounced by the company), and in a few weeks the fieult experienced in obtaining als will be overcome.

NORTH AMERICA (Gold).—D. W. C. Morgan, Aug. 3: The output the mine for the week ending Aug. 1 was 1250 loads, from which was obtained idensity in the mine for the week ending Aug. 1 was 1250 loads, from which was obtained in seasons. The greater part of the go

a small stratum of good ore. The new slime reservoir at the finished totwo forenoon.

WEST CANADA.—Aug. 1: Huron Copper Bay: The stope in the
tom of the 35 fm. level, west of Palmer's shaft, is now yielding 2½ tons of copore per fathom. The stope in the bottom of the 50, east of Bray's shaft, is also
ding 2½ tons per fathom. The stope in the bottom of the 50, east of Bray's shaft, is also
ding 2½ tons per fathom. The stope in the bottom of the 50, east of Bray's shaft, is also
ding 2½ tons per fathom.

CAPE COPPER.—Returns for June: Yield from Ookiep, 765 tons of
per cent., including 120 tons from the surface reserves; Spectakel, 57 tons of
per cent., including 120 tons from the surface reserves, Spectakel, 57 tons of
per cent., including 120 tons from the surface reserves, Spectakel, 57 tons of
per cent., including 120 tons from the surface reserves, and tons per Marian,
tons per European, 45 tons per Asiatic, and 185 tons per Roman.—Arrivals at
public telecting: On July 21, 638 tons of ore and 185 tons of regulus, at an average
the state of the stope of the state of the stope per form the stope of the state of th

ogress in sinking the shaft during the a

although our progress in sinking the shaft during the accomplishment of this important work has been somewhat retarded, yet we have reason to expect, through the changing of the same, that we shall make better progress in sinking, so as to enable us to intersect the lode in the 45 without hindrance, which point we look forward to with interest.

BENSBERG.—C. Craze, Aug. 22: Victoria Shaft: The lode in the level west of this shaft will produce fully 3 tons of lead ore per fathom, with more lode standing in south side; this end is letting out a great deal of water, which prevents our making that progress we otherwise should.—New Shaft: The level west of this shaft produces about 4 tons of ore per fathom; the lode here is quite as large as it has been, but there is more pyrites in it, and consequently less lead ore, the best of the lead being in the bottom of the level. In the level east of this shaft we have cut into north s'de, where the lode is fully 3 fathoms wide, with good ore for dressing throughout. We have taken the men from south-east end of open-east, and put them to stope the bottom and side of same level, where there is good ore for dressing. Nothing new in any other part of the mine.

#### Original Correspondence.

#### MINING IN UTAH-UTAH RETROSPECTS.

SIR.—It may not be amiss to cast a retrospective, as well as a propective, glance at the mining developments of Utah, and, in at-empting to write a history of its leading industry, I beg to disclaim any invidious comparisons with the once-famous historian of the ditto-famous Emma Mine. The mining history of Utah, rationally considered, is not a difficult one for the fair and considerate observer. considered, is not a difficult one for the fair and considerate observer. Dating back, practically, only to 1869, it originated in a milieu sui generis, under conditions peculiar and exceptional. The great movement of secession from the Church had just then taken place, abetted firstly, by the completion of the Pacific Railway; secondly, by the growing conviction of the presence of ore in the mountains. Still, the leaders of the movement, successful as it was, did not feel at ease. In a community governed by one will, characterised by terrorism and spoliation within, by persuasion and blandishments abroad, the consequences of such a step could not but be frightful; nothing would be spared to destroy the vestiges even of a gangrenous prewould be spared to destroy the vestiges even of a gangrenous pre-cedent. Thanks to the railway, the leaders lives were safe, to be sure; but how about their prospects in a community they had dis-owned, their landed estates, their material interests? The answer could not be doubtful. A paper was bought, supported by the secessionists, of course, extolling per fas et nefas "the unparalleled riches, the inexhaustible resources, the hidden treasures of this great and glorious country." Capital was invited to reap the golden harvest in store, professional skill solicited to develope the unlimited facilities. Did the authors believe in what they wrote? It is safe to doubt it. To them immigration, opening of the country, meant not only immunity, safety for their lives and families, it meant prosperity, influence, wealth. And even without imputing selfish motives could a competent judgment could solviers and havings sperity, influence, wealth. And even without imputing selfish motives, could a competent judgment, could sobriety and business views be expected from persons who had been congregated from the very humblest walks of Europe and America, who had been following none but the most rudimentary pursuits in Utah. Capital came; the honest miner (lucus anon lucendo) came; with the neamenthe mining sharks and the newly baked mining experts.

the acame the mining sharks and the newly baked mining experts. These were not slow to improve the opportunity; trumpets were blown louder and louder; penny-a-liners engaged by the score (vide the Salt Lake papers from 1870 to 1873, and the excitement carried to frenzied heat. "Editors" whose stock-in-trade consisted of the rudiments of a common English education and a dilapidated press, launched on the unknown sea of mining, phraseology buoyed up by an unbounded faith in the future. With more zeal than discretion the most worthless prospect holes were expatiated upon, and reports published at the request of the highest bidder. In these days a person uttering views derogatory to the mines was quite likely to be tarred and feathered out of town; or, as happened to the writer, to be denounced as a lunatic, liar, or traitor, simply for having counselled prudence and n oderation. It was in this period that the sale be denounced as a lunatic, liar, or traitor, simply for having counselled prudence and noderation. It was in this period that the sale of the Bingham properties was consummated, and after it was agreed to have nore but the English experts to be depended upon. We had quite a variety of these here in the course of the last four years, and the best that can be said of many of them is that they were quite harmless. I hope I may not be accused of puerility if I cite a case which came under my personal observation—that of an English re tileman sent out as book-keeper for a large concern, who did not know how to copy a letter by the press. Others employ their time as gentle nen of leisure in driving, sporting, and gallant pursuits. A third-class at last, less innocuous than either of the foregoing are mere adventurers. There is one here who, joining British insolence with American ignorance. . . . The responsibility for these appointments rests with the English board of directors as a matter of course. The British public does not seem to be aware that only a pointments rests with the English board of directors as a matter of course. The British public does not seem to be aware that only a business man can judge a business man; only a specialist the qualifications of a mining manager. It cannot be gainsayed that there is some (relatively) very poor material on the British mining boards, Instead of selecting their directors from the class which enters so largely into the composition of the new English Parliament, and which is par excellence qualified, that of railway managers, the English public bestow its attentions on men whom an accident and pultocracy rather than anything else have elevated to the promient plutocracy rather than anything else have elevated to the promient rank they occupy in English society. As a consequence, the selec-tion of officers sent out by these incongruous and inappropriate elements has been in many instances a most palpable failure. The Ter-ritory cannot afford to see here as "mining experts, as managers and book-keepers," second or third sons of families, whom their curators cannot find any use for at home. Others, less unsophisticated, were not possessed of that strength of character necessary to withstand temptations; and through these two classes the disastrous failures occurred which characterised most of British investments.

There are now, to the best of the writer's knowledge, 14 English

	in TTA	h m		o moonly.	o, an angen
corporated companies mining					
No	of shar	res. Per		re. Ca	pital stock.
Emma	50,000	********	£20	£	21,000,000
Flagstaff	30,000	********	10	*******	300,000
Last Chance	20,000	*******	5	*******	100,000
Saturn	15,000		5	********	75,000
Camp Floyd	12,000	*******	10	********	120,000
Mammoth Copperopolis	15,000	********	10	*********	150,000
Davenport	(N	ot on the	e Sto	ek Exch	ange.)
Mountain Chief	5,000			*******	50,000
Winamuck		(Ab	ove	par.)	
Chicago	15,000		10	*********	150,000
Utah (Silver-Lead), Limited	14,000	*******		*******	70,000
Ophir (Silver)		(Closed	con	npany.)	
Tecoma	30,000	*******	10		300,000
Beaver (Silver)	-	*******	-	*******	75,000(?)
o reluc actually represented	her the	foregre	aine	r comp	anion no di

duced from the closing stock quotations, and their consequent deprec

ciation is as follows:-		Av	rerage		
Ne.	of shar	es, closin	g quot	ation.	Depreciation
Emma	50,000	********	1% .	£	925,000
Flagstaff	30,000	*******	434	*******	172,500
Last Chance	20,000	********		*******	68,000
Saturn	15,000	(not	quotec	l)	75,000
Camp Floyd	12,000	:not	quoted	1)	120,000
Mammoth Copperopolis	15,000				120,000
Davenport	(N	ot on the	Stock	Exchai	nge.)
Mountain Chief	5,000	(not	quoted	1)	50,000
Winamuck	.,		ove par		
Chicago	15,000	(not			150,000
Utah (Silver-Lead), Linited	14,000	********			63,000
Ophir (Silver)	,	(Closed			
Tecoma	30,000				277,500
Beaver (Silver)	-	*******		*******	75,000

This, then, is the financial status of 11 out of 14 English mining companies operating in Utah. In reality, the losses are somewhat smaller, by the difference there is between the subscribed and the

paid-up capital, an amount the data for whose exact appreciation are not accessible to the writer. But, on the other hand, the real losses are enhanced by the large sums which have been raised at various times to re-construct failing companies, and by assessments,

various times to re-construct fairing companies, and by assessments, such as—

2— for the re-construction of the Saturn.

£35,000 in first and second debenture bonds for the Mammoth Copperopolis.

£20,000 increased capital voted for by the shareholders of the Mammoth Copperopolis Company, and issued in 2000 shares at 10% each.

£20,000 in preference bonds of the Tecoma Silver Mining Company.

£— for the re-construction of the Camp Floyd Mining Company.

It must be admitted that most of these failures have been induced

by the placing of relatively worthless properties; but what of it? The average American, so far from considering cheating a disgrace, views it in the light of a national accomplishment, and will not be over scrupulous in the choice of his means; but were this different would the buyers be excused from exercising due care and caution? Certainly not. I repeat that a great deal of the responsibility must be laid to the charge of the English agents, and pari passu to that of the English mining hoards.

be laid to the charge of the English agents, and pari pass; to that of the English mining boards.

Unfortunate and culpable as the buyers have been, they are not unworthy of our commiseration. Most of the money expended flowed, it is true, into the pockets of promoters and middlemen; but quite a large sum found its way into a Territory which, without its accession, would have been nearly as helpless to-day as it was four years ago. What, then, shall we think of a press (vide especially a recent number of a paper purporting to be devoted to the "mining, commercial, and material interests of Utah") deprecating the intervention of English capital, when it is remembered that these very same papers did not shrink from any means calculated to bring about this capital, and when it is remembered that there is hardly one district in Utah but which has been benefited by its accession?

Englishmen, as a rule, are the very best of our investors, for the

trict in Utah but which has been benefited by its accession?
Englishmen, as a rule, are the very best of our investors, for the reason that they follow mining with a sternness and stubbornness indicative of permanent intentions. Unlike Americans, who consider successful mining like every commercial pursuit inseparable from robbing, gambling, and black-mailing, they mean to carry it on as a legitimate business, earning honestly its profits, and were it not for an unsophisticated element electing directors and managers, they would have made mining long ago a source of gratification to the Territory, as well as of revenue and profit to themselves.

It is to be regretted that after so much capital has been placed in Utah minerals, no concerted action is being taken by those who alone have the privilege of an initiative in such matters, by the Territorial Legislature, in order to ensure the permanency and remunerativeness

Legislature, in order to ensure the permanency and remunerativeness of mining investments. A petition, universally signed by our leading men, was presented at the last Session of the Legislature, praying for the organisation of a Territorial Geological Survey, the establishment of a branch mint, or at least of a United States assay office; but, like most movements emanating from the "Gentile" class, and transing to be in the organisation of the control of the tending to bring the outside element into undue prominence, it was indefinitely tabled. Instead of this bills were introduced—this time by orthodox petitioners—for harrassing the smelters (on account of the lead fumes) for taxes to be levied on all the ore and bullion produced, and for more stringent regulations to be enforced on the already ostracised Gentile element of Salt Lake City. The Mormon authorities are, too, disposed to include all the Gentiles, among which there are not a few disreputable characters to be sure, in their sweeping denunciations, and to make moral capital for themselves by blue
laws and stringent Sunday enactments. Instead of encouraging the
legitimate callings and the honourable and peaceful members of this
part of the community, they oppress all with onerous taxes, licenses
(such as are nowhere exacted in the United States), and with a spirit
of systamatic evolusion. That the effects of such an invincel cros-

(such as are nowhere exacted in the United States), and with a spirit of systematic exclusion. That the effects of such an inimical proceeding necessarily reacts on the welfare of the mining community at large, and on the prosperity of the Mormon plebs is evident; and it shows a legislation worthy of gens fin n'ont rien oublitet rien appris.

These difficulties are being aggravated by the status of our judiciary, both of minor and superior courts. The wrangling for competent jurisdiction, the hair-splitting which has been carried on for the last three years cries for urgent redress. Obstinacy, lack of disposition to construe fairly the existing laws, are the topics of the constantly-recurring recriminations. Through all this there is no security, not only for property, but not even for life. The Mormon constantly-recurring recriminations. Through all this there is no security, not only for property, but not even for life. The Mormon judges, in the conduct of criminal suits, lay themselves open to the imputation that they favour deadly quarrels among the Gentile class (à la Kilkenny cats). Quite a number of disputes occurring within the last two years, and ending fatally, have been acquitted on triding grounds.

within the last two years, and ending fatally, have been acquitted on trifling grounds.

Another feature which is likely to have an important bearing on Utah's silver production, and consequently to be of interest to British shareholders, halls from the East. A "National Association of Silver Smelters and Refiners," for the purpose of establishing a uniform scale of prices for ores and bullion, has been formed in Chicago, the representative city of this "blessed country of the free." Heaven save the mark! Monopolies in railroads, monopolies in canals and locks, in banking, monopolies to oppress the wheat-growing farmer, monopolies to crush the labouring class, monopolies for what not, and for whom not. The Union Pacific Railroad, charging as it does already 1½ cent. per ton per mile to Omaha, will, it is hoped, not lend its all-powerful assistance to such an iniquitous scheme; but, at all events, it appeared proper to call the attention of the British public to a scheme certain to affect vastly their mining interests in Utah. But enough for retrospects; let us hope that the prospects will be able to more than counterbalance them.

EQUITAS.

Salt Lake City. Salt Lake City.

[For remainder of Original Correspondence see this day's Supplement.]

The following Reports arrived too late for insertion in their proper places:—

BOUTH TOLCARNE.—J. Vivian and Son, Aug. 27: We beg to report as follows:
—The sumpmen are now in full course of sinking the engine-shaft below the 20, having taken a contract to sink it to the 30 fm. level for 12t, per fathom, and according to present appearances will sink 3 fm. sper month. The lode in the shaft is 3 ft. wide, and has an improving appearance. In the 20 fm. level, west of engine-shaft, the price for driving which is 3t. 15s. per fathom, the lode is 3 feet wide, and producing a little tin. It is improving in character, there being more quartz in it than we seen before, and we think it is getting more congenial for copper. In the 20 fm. level, east of engine-shaft cross-cut, Fraser's lode contains more quartz than it did, in which there is an increasing quantity of copper ore. In the 20 fm. level, east of engine-shaft cross-cut, Fraser's lode is also becoming more quartzose, accompanied with an increase of coppper in the form of both grey and yellow ore. The prices for driving the last two ends are—east 5t. 10s., and west 3t. 15s. per fathom. The following Reports arrived too late for insertion in their proper places :-

yellow ore. The prices for driving the last two ends are—east \$\text{S}\$, lbs., per fathom.

SOUTH CONDURROW.—J. Vivian and Son, Wm. Williams, Aug. 27: We beg to hand you the following report:—In the \$\text{89}\$, west of King's shaft, the lode is 5\text{56}\$ feet wide, and worth about 3\text{57}\$, per fathom. In the 71, west of King's shaft, the lode is 6 ft. wide, and is worth about 20\text{. per fathom. In the No. 3 wings, sinking under the last-named level, the lode is 6 ft. wide, and worth about 3\text{30}\$, per fathom. In the No. 3 wings, sinking under the sinking under the \$\text{82}\$, west of King's shaft, the lode is 6 ft. wide, and worth about 10\text{30}\$, per fathom. In the wings sinking under the \$\text{82}\$, west of King's shaft, the lode is 6 ft. wide, and worth about 10\text{30}\$, per fathom. In the rise over the 71, east of King's shaft, the lode being carried is 6 ft. wide, and worth about 13\text{30}\$, per fathom. In the wings sinking under the last-named level the part of the lode being carried is 6 ft. wide, and worth about 1\text{30}\$, per fathom. In the sinking under the last-named level the part of the lode being carried is 6 ft. wide, and worth about 1\text{30}\$, per fathom. In the 30, east of Fraser's shaft, the lode is 1\text{3} ft. wide, and worth about 5\text{5}\$, per fathom. In the 30, east of row shaft, the lode is 1\text{3} ft. wide, and worth about 7\text{5}\$, per fathom. In the wings sinking under the 20, east of new shaft, the lode is 1\text{4} ft. wide, and worth about 7\text{5}\$, per fathom. The other parts of the mine are without alteration requiring notice.

BLAKE'S STONE BREAKER .- Mr. Wm. Miller, of Maryport, has transmitted to Mr. H. R. Marsden, the maker of these machines, the result of all experience. The one he has had if the was of the large size, 24 in. by 12 in., and was driven by a horizontal engine of 14-horse power. The daily quantity crushed was 250 tons, the jaw being set to crush to a size of 2½ in. Mr. Miller states that they have frequently crushed 300 tons per day of 10 hours, and sometimes even 360 tons, the stone being the Blue Mountain limestone, which is used as a flux at the various iron works in the Cumberland district. The machine has been in daily use for over two years without repairs of any kind, and the cost of crushing, including engine power, coals, engineman, feeding, &c., has been just 3d. per ton.

power, coals, engineman, feeding, &c., has been just 3d. per ton.

ORE SEPARTOR.—Mr. H. SCHAFER, of Chicago, has patented an invention which relates to an improved apparatus for use with blast and other furnaces, in condensing from the fumes of certain metals, as gold, silver, and lead, the fine particles which they otherwise carry off. The fumes, &c., entering through pipes, vapourise water, so that a tank is filled with steam or vapour, which condenses the fine particles of metal, and causes them to drop into the lower part of the tank. The fumes, &c., that enter through the pipes must pass beneath the lower edge of partitions before they can enter the escape pipe; and as they are entering the said escape pipe they are exposed to the spray from a sprinkler, by which any particles that may have passed beneath the partitions are removed and caused to drop into the lower part of the tank. In some convenient part of the latter is formed a door through which the solid particles from the bottom may be raked out.

NEW ILLUMINATOR .- Mr. J. H. JOHNSON (for E. A. Lamarre, NEW ILLUMINATOR.—Mr. J. H. JOHNSON (10T E. A. Lamarre, or Paris) has patented some improvements in combustible compositions, and in their mode of application for signalling and illuminating purposes. This invention relates to certain combustible compositions suitable for burning as signals or for illuminating purposes, whereby a brilliancy, duration, and intensity are imparted to what are known as Bengal lights, torohes for signalling or illuminating purposes and pyrotechnic displays not hitherto attainable. Also to certain peculiar envelopes or cases for the said compositions when used as torohes. Whatever may be the colour of the flame decided upon, the basis of the composition, according to this invention, consists of boiled lineed oil and a suitable proportion of non-drying oil, such, for example, as olive oil or colza oil combined with a chlorate and a colour-integration.

#### Mining Correspondence.

#### BRITISH MINES.

BRITISH MINES.

ABERDAUNANT.—5. Toy, Ang. 26: In No. 2 adit level east we are still crosssutting north on the lode, which is of a very kindly appearance, and producing
some lead. In the No. 4, over this level, the lode is worth 15t. per cubic fathom
for lead. All other places in the mine are going on well.

ABSHETON.—M. H. Whitford, J. Craze, Aug. 24: The 50 fm. level, to drive
west of Mawr shaft, on the north part of the lode, so as to facilitate our progress,
by six men, at 3t. 10s. per fathom; the part of the lode carried is yielding stones
of lead. The main portion of the lode will be taken down when convenient; this
end will very shortly reach under the course of ore (averaging from 4 to 6 tons per
stathom) gone through in the 40. In the 40, west of Mawr shaft, we have commenced to cut through the lode, which is yielding stones of lead, but not sufficient
to value. The 40 end, driving east of No. 1 winze, has been suspended. To stope
in back of the 40, west of No. 1 winze, by four men, at 3t. 10s. per fathom; the
lode will yield 25 courts. of lead per fathom. To stope in back of the 40, west of
No. 2 winze, by four men, at 4t. per fathom; the lode will yield 2 tons of lead and
blende per fathom. To drive a cross south, west of Mawr shaft, to intersect the
south part of the lode, by two men, at 6t. 10s. per fathom; this will enable us to
prove this part of the lode at a point further east than yet seen below the 20; this
we consider a very important point. To drive the 40, west of winze and west of
Browne's shaft, by six men, at 6t. 10s. per fathom; the lode will yield 1 ton of lead and
blende per fathom: This will be urged on with all possible dispatch, in order to get
under the shoot of lead gone down in the bottom of the 3 oe, which yielded from
\$5 to 4 tons of lead per fathom. The stopes in back of the 8 west, by four men, at
4t. 18s. per fathom; the lode will yield 2 tons of lead per fathom. In conclusion,
we beg to say that we purpose to sink a winze from the 40 to the 50, west of Mave
shaft, in t

western ground without delay; this being done, Assheton will be, in our opinion, a lasting and profitable mine.

BAM PFYLDE.—8. Mitchell, H. T. Haley, Aug. 25: Stoyford Iron Mines: The lode in lobby and No. 1 shaft is without change since my last. In No. 2 shaft in the lavel driving west the lode is about 3 ft. wide, producing good iron, and opening wider at bottom of level. In the level driving east from this shaft we have holed to level west from Slader's shaft; the ventilation is good at this part. The men are engaged taking down remainder of lode left standing in the side of level and stoping the bottom. In the level driving east from Slader's shaft there is a good lode 45 ft. wide, and increasing in width as we drive on it. At new shaft the men are putting in timber to secure the back of level. The men costeaning east of new shaft have some good branches of iron, which they are sinking on.—Copper Mines: The stopes in the 102 are continuing to produce their usual quantities of ore. Our machinery is in thorough good working condition, and there is an ample supply of water for driving the same.

BEDFORD CONSOLS.—G. Rowe, J. Mitchell, Aug. 26: The 67, east of sump-shaft, is being pushed on as fast as possible with our present staff of men; the part of the lode carried, for 4 ft. wide, has an improving appearance, containing a more congenial capel and spar, with strong sulphur-mundic, and occasional stones of rich quality copper ore.

BEDFORD INITED.—William Phillips. August 27: There is no change to

congenia capet and span, which conditive opper ore.

BEDFORD UNITED.—William Phillips, August 27: There is no change to notice in the stopes, and driving by the side of the lode is continued in the different

BEDFORD COSTOLIA—G. Rowe, J. Michell, Aug. 28: The 67, east of sumptable, it is being pushed on as fast at a possible with our present staff or men; the part of the content of the part o

DYLIFFE.—E. Evans, E. Rogers, Aug. 27: Dyliffe Lode: In the 120 cross-cut there is no alteration: we are pushing on towards the lode as fast as possible—the lode in the stope in the 105 is of just the same value as reported on last week, worth 24. Per fathom. In the 40, driving east of boundary shaft, the lode is producing a little lead ore, but not of much value. In the stope in the back of this level the lode is worth 12. Per fathom. In the 15, driving east of old engine shaft, the lode is large, and of a congenial appearance, about 6 in. of which will yield 5 cwts. of lead ore per fathom.—Esgairgaled Lode: In the 45, west of the cross-cut, the lode is also large, and producing a little lead ore.

EAST WHEAL BASSET.—Richard Pryor and Son, Edward Adams, Aug. 20: The stopes in the 50, cast and west of winze, on the new lode, have further improved during the past week, now worth 75i, for copper. We hope to commence cutting into into this lode in the 50 and 70 in the course of a fortnight. We have about 80 tons of copper ore at surface dressed up, and the mine continues to look well.

proved during the past week, now worth 75t. for copper. We nope to commence outting into into this lode in the 60 and 70 in the course of a fortnight. We have about 80 tons of copper ore at surface dressed up, and the mine continues to look well.

EAST WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Aug. 27: The lode in the 130, west of engine shaft, is 2½ ft. wide, and worth 8t. per fathom; it is a very kindly lode, and likely to improve. The ground in the 120 cross-cut north is favourable for diving. The stope above the 120, west of engine-shaft, is worth 8t. per fathom. The lode in the 110 cent is 13 in. wide, and worth 5t. per fathom. The lode in the 110 cent is 13 in. wide, and worth 5t. per fathom. The lode in the 110 cent is 15 in. wide, and worth 5t. per fathom. The lode in the 110 cent is 15 in. wide, and worth 8t. per fathom.

FLORENOE CONSOLS.—Capt. P. Skewis, Aug. 27: During the past month or two we have found it necessary to make a new survey and plan of the working of these mines, on account of the errors in the previous plans; and we now find that instead of having worked up to our castern boundary we are in the lower levels, some 20 to 40 ftms. from it. That what in our former reports has been terined Fisher's lode, in the 60 fm. level at Walter's, is the Georgia lode; and that the new lode which was mentioned as having been lately cut in the same level is the Fisher's lode. We are now beyond this lode nearly 3 fms., and are opening out the Fisher's lode cast and west, which is producing some good tinstuff and also some copper ore. During the past month we could do little in the 75, as we were obliged to put a fan to supply air to the level from the bottom of the shaft, which will obstruct our works in the 65 and 76 fm. levels until the winze between these levels is completed; we shall then be able to set some 10 or 12 extra men to work to remove tinstuff, and drive a cross-cut from Elizia's towards Walter's shaft to meet one from Walter's is proceeding, and which we shall meet after lowering this sha

lowering this shaft. About 20 extra men have been set to work we askens and different parts of the mines, especially to reach the North lole, which proved so rich in tin in the Great Western Mine, and the south copper lode formerly worked in Speedwell Mines, also the Wellington tin and copper lode, and the Great Neptune lodes.

\*\*RON VELLAN.\*\*—Capt. Harper, Aug. 28: In the cross-cut driving, and judging from the appearance of the ground and the increasing flow of water, we cannot be far from the cutting of the lode. In the cross-cut driving south of shaft the ground is of a very promising appearance, and we are daily expecting to meet with the lode. The driving of both cross-cuts is being prosecuted with vigour.

\*\*GAWTON.\*\*—G. Rowe, G. Rowe, inn., Aug. 29: King's engine-shaft is in regular course of sinking below the 105 by a staff of nine men; the ground continues of the same congenial description for the production of minerals as stated in former reports. The lode in the stopes and rise in the back of the 96 is worth 81, per fm. The lode in the stopes in the back of the 70 is worth 101, per fathom. All other points are without change.

\*\*GLASGOW CARADON CONSOLS.\*\*—W. Taylor, W. J. Taylor, Aug. 25: In the 78 east weare cutting in north to the lode seen in middle level, we hope we shall find it as good as we have it there. No change to notice in the 78 west. The niddle level west is worth 104, per fathom. This level east is made good into the winze from the 65, and are now driving east and west of it on the north part of the lode; east worth 184, per fathom and west worth 920, per fathom, all in easy ground. As soon as sufficiently opened we shall sink a winze on this part down on the 78. The 65 east, on the south part, is still worth 104, per fathom, but we have not cut anything more in the cross-cut further east. The 52 east continues to present a very favourable appearance, but we have not struck into a lode to value; we are pushing it on as fast as possible. No change in the rise back of the 45. The stopes

but as the rain comes on we shall be in a position to increase our returns. By the foregoing it will be seen we have three points to come off which may be considered of special interest.

GREEN HURFH.—Wm. Vipond, Aug. 22: The end south from Incline, on No. 1 cross vein, is worth about 16 cwts. of ore per fathom; chiefly in grey beds, &c., lying under the limestone. We have began to work in the roof behind this with four men; it is worth at present 8 tons of ore per fathom. The stope further back in the same vein is yielding about the same quantity of ore. The stope south above adit level is worth 8 or 10 tons of ore per fathom. The north stope is poor, but we shall get into better ground shortly. We shall begin to rise on Monday from the bottom of Incline, on No. 2 cross vein, to work ore left in lower part of limestone. No ore in the old vein yet, but this end is progressing towards Annie's vein, where we know we shall find it. Rutter's level still hard. I expect wo new men on Monday for the low level.

HINGSTON DOWN CONSOLS.—T. Richards, Aug. 27: Bailey's Shaft: In the 120 west the lode is still 4 ft. wide, composed of capel, quartz, prian, mundie, and a little ore, with some specimens of malleable and black oxide of copper. In Fitze's winze below the 120 west the lode continues to be worth 20. per fathom. In the 110 west the lode is gradually improving, the part carried—5 ft. wide—on-sists of capel, quartz, prian, peach, mundie, and copper ore, worth 18. per fathom, and the indications of a good course of ore ahead were never stronger than at present. In the stope in the back of the 110 west the lode is worth 18. per fathom. During the past week the pumping-engine has not kept the water under control below the back of the 140, consequently nothing has been done in the bottom ends and stopes. In the last day or two the engine has, however, been doing better duty, and the water is now in fork so as to admit of the men resuming work at the 140. The new piston is adily expected from the foundry, and as soon as i

wide, composed or gossan, what copper or missing and during the past week.

LADY CONSTANCE.—William Wasley, Aug. 27: The ground in the cross-out at the old shaft is without any change to notice since reported on last week, and the men progressing well. I have stopped the cross-out at Katie's shaft for the present, and put the men to drive west of the same level to get under where the large quantities of ore were got in the old work workings; and, as the men are getting on fast, I hope we shall not be long before we cut into some ore.

LADYWELL.—Arthur Waters, Aug. 27: The mine is opening out, I consider, very well, and will eventually become a great property. A full report, with setting list. natt week.

on fast, I hope we shall not be long before we cut into some ove.

LADYWELL.—Athur Waters, Aug. 27: The mine is opening out, I consider, very well, and will eventually become a great property. A full report, with setting list, next week.

NEW GREAT CONSOLS.—R. Pryor and Son, T. Jenkin, H. Vial, Aug. 25: No change has taken place worthy of notice in the sinking of Phillips's engine-shaft below the 86. The cutting down of Broadgate engine-shaft is nearly completed to the 30 under adit, and the water is gone down about 3 ft. below the back of the level (30). No other change to notice in the underground department. The masons are making gool progress with the building of the new ornsher-house, and the greater part of the 28-in. cylinder crushing-engine is at Liskeard Station, and a portion at the mine, together with one of the boilers.

NEW HENDRE.—W. Rowe, Aug. 24: Pay and Setting Report: The deep adit level set to drive for the month, by six men, at 81. per fathom. This ground still continues hard, and the lode is producing occasional stones of copper ore. We hope shortly to find the end hecome easier for exploring, so as to proceed more expeditiously towards the points we are alming at—the intersection of the lodes known to be in advance of us.

NEW ROSEWARNE.—E. Hosking, W. Bennetts, Aug 22: The lode in the 104, east of Bickford's shaft, is 4½ ft. wide, and worth 82. per fathom. The lode in the 104 west is 3½ ft. wide, and worth 72. per fathom. The stope above the 104 east is worth 62. Per fathom. The stope above the 94 west is worth for tin and copper ores 72. per fathom. The stope above the 94 west is worth for tin and copper ores 72. per fathom. The stope above the 94 west is worth for tin and copper ores 72. per fathom. The lode in the 59, west of Pool's shaft, is 6ft. wide, and worth 82. per fathom: The lode in the 69, west of Pool's shaft, is 6ft. wide, and worth 84. per fathom; a kindly lode, and letting out more water. The lode in the 46, west of Pool's shaft, is 4ft. wide, and worth 84. per fathom; a k

have a change in the lode scon.

NORTH FOOL.—W. C. Vivian, F. Clymo, Aug. 27: In the 40 cross-cut southers are evidently getting very near to the old main lode, as there is a considerable

increase of water; the rock and cross-course have become much easier for driving through, so that we can now advance at the rate of 2 fms. per week; and the ladications of copper are stronger than they have ever before been. We are judging from the character of the stratum of rock through which we are pashed, we anticipate meeting with a good formation of copper.

NORTH TRELEIGH WOOD.—William Tregay, August 27: The lode in deep and tend is a very kindly lode indeed, producing for about 2 ft. in breadth bless and copper ore, with stones of tin in the footwall. In trial shaft west the ground is rather tight for sinking, and the lode not improved much yet.

NORTH TREEKERBY.—Richard Pryor and 80n, Aug. 25: From the increasing quantity of water issuing from the deep adit cross-out, together with branches of spar which have been met with during the past week, we think we are very use OLD BOTTLE HILL—R. Unswerth Aug. 26. V. V.

spar when have been me with during the past week, we think we are were.

OLD BOTTLE HILL—E. Unsworth, Aug. 25: In the selected of Dewring.

OBlicking House lode, the lode is 1 ft. wide. In the winze in bottom of the high the property of t

of the lode, we have broken some good stones of ore on the hanging will looking very promising. In the 65 east we have taken down the lode close tend, where it is 1 ft. wide, yielding saving work for dressing, but not to reliable the lode has made a splice, but I have no doubt it will improve a The tribute pitches, and also the silver lode, are without alteration to notice. PRINCE OF WALES.—J. Gifford, Aug. 27: No change in any part of his motor of the manual control of the manua

PRINCE OF WALES.—J. Gillord, Aug. 27: No change in any to notice.

QUEEN'S.—E. Evans, Aug. 28: The sump below the 140 yards level, we Gladstone shaft, is without change since my last report, being a good ground work at, with lumps of lead in. We have had within the last week to timber the 120 yards level, east of Gladstone shaft, the lode is more sparry, and better the 120 yards level, east of Gladstone shaft, the lode is more sparry, and better is a very strong ground, with solid lumps of lead, but rather hard for points a very strong ground, with solid lumps of lead, but rather hard for points of the strong ground, with solid lumps of lead, but rather hard for points of the strong ground with solid lumps of lead, but rather hard for points of the strong ground with solid lumps of lead, but rather hard for points of read than ever I saw it, fair joints of clay and spar, very good gross work in.

mg nor lead than ever I saw it, fair joints of clay and spar, very good severy known in.

RHEIDOL.—John Ridge, Aug. 22: We have extended the cross-out at the 80 is the south wall of the lode, which at this point is 9 ft. wide, composed of some spar, carbonate of lime, and nice branches of lead one. We have gain as some spar, carbonate of lime, and nice branches of lead one. We have gain to sumed the driving of the level east, on the course of the lode, which coulsais it of lead and yellow copper ore 2 inches wide, and good strong branches of lead ore throughout part of the lode carried; the end is letting out water, and show

notice RO notice RO notice forth north worth and w the 25 well; our m value and w good a house-SHE gress, we ma SOU pay an six me worth to driv fathon tope t To stop ft. wie SOUT lode, in the lode the 35,

over in through

ST. AG TALAR

west contin 140 west is vance. Th 140 fm. lev-since last w down—a ve TEESDA the bottom north and

points tried is a profital The ore see Hopkin's or TREGAR rise above to and good pengine-shaft back of the back of the law and good pengine-shaft back of the law the law the law. The stope below the law, per fath fathom. To No change a law to law the law to law t TREVAR he lode is 1 ad branche

apparently improvement improvement of ore at time west in the floor and men are at in productive. Per fath the 140 error west is work the 140 error west is work the 140 error west is work the 140 error west in the 140 error west in the 140 error west in work the 140 error west in work west in work west in the 140 error west in work we were well as w

of our open week. Dre WEST G Friday: Ca per fathom.

promising appearance of further improvement. There is no change to a the character of the lods in the 10 west since my last report.

AN GRAVELS.—Arthur Waters, Aug. 27; I see no change worthy of a the mine since my last report. We are going on regularly, laying open a

BOMAN GAR.

Bolder in the mine since my last report. We are going on regularly, laying open a side in the mine since in the mine since in the mine side in the side in the side. West of the cross-course, and shall Agg. 21: We have discovered the lode in the 60, west of the cross-course, and shall agg. 21: We have discovered the lode in the 60, west of the cross-course, and shall agg. 21: We have not taken of the side in the side in the side in the side in some good tin ground. The forther fathom. The stope on No. 1 crossing is showing some good tinstone, worth his perfathom.—Goole Pellas: We have not taken down the lode in ad worth 121. per fathom.—Goole Pellas: We have not taken down the lode in the wilk it will be the most valuable lode we have ever had in this part of earlier week. In the 16, driving west of shaft, the lode is also looking better, the next week. In the 16, driving west of shaft, the lode is also looking better, the next week. In the 16, driving west of shaft, the lode is also looking better, the next week. In the 16, driving west of shaft, the lode is also looking better, on a worth 80. per fathom. Our prospects in this part of the mine were never so and worth 80. per fathom. Our prospects in this part of the mine were never so and worth 80. per fathom. Our prospects in this part of the mine were never so and worth 80. per fathom. We have this day sent about 14 tons of tin to the smelting-good as at present. We have this day sent about 14 tons of tin to the smelting-fluctuation of the past five weeks working.

BELUE POOL.—Arthur Waters, Aug. 37: The adit south makes good progress, armeet an improvement.

muse—the result of the base was the sum of t

weath 18. per fathom. Should this continue good to the next level, and there are fair grounds for believing it will, a very valuable section of tin ground will be opened out.

80UTH PRINCE PATRICK.—John Jones, Aug. 25: The ore in the north fiving, in Parry's lode, is holding out well. We have been drawing five cartloads of pure lumps in astem since I last reported. The men sinking the northern shaft se securing the bottom part of it with a stone wall. I am making a proper cartread from the drawing-shaft to the washing-floors. Mr. Henry Sunderland, one die directors, paid a visit to the mine to-day, and was highly pleased with everything. I expect the 40 tons last sold will be all delivered by the end of this week, see want its room for another lot.

80UTH ROMAN GRAVELIS.—J. W. Powning, Aug. 27: Shelvefield: The lode is the trial shaft is very hard and spare for progress; we have seen no lead for several days, the lode is chiefly made up of carbonate of lime.—Shelve: There is no change worthy of notice in the end driving south from deep adit cross-cut. I am pleased to say that the masons have followed their work well since the fine vesther etc. in, and have made very good progress. The loadings are finished, and the eagine-house walls mished in a few days. The chimney is up 14 ft. I feel satisfied that the halliding will give all concerned satisfaction when finished.

80UTH WARD.—R. Goldsworthy, August 26: The men are now making fair rouges in sinking Thomas's engine-shaft. From the appearance of the 72 cross-cut west we are not far off the lode, and I hope to interest it before the end of the mine, and we have again resumed the driving of the 40 south.—Sink for the mine, and we have again resumed the driving of the 40 south.—Enth Hoce Lode: In the north end the lode is 2 ft. wide, and occasionally producing god stones of lead, but not sufficient to value; a very promising lode. In the south and the lode will produce 5 cwt. of lead per fathom. No other change to solve.

the south end the lode will produce 5 cwt. of lead per fathom. No other change to 10000.

ST. AGNES CONSOLS.—Wm. Vivian, Aug. 27: The shaftmen have completed the enting of plat at the 72, and are now driving cross-cut south of the engine-haft at the 72 to intersect Wheal Kitty flat lode. We shall resume the sinking of the segine-shaft below the 72 in eight or ten days from this time. There is no change to notice in the other parts of the mine since last week.

ST. JUST AMALGAMATED.—Richard Pryor, William Bawden, T. Richards, angust 24: No particular change has taken place in this mine since our setting report. The lode in the 110 continues to look well, but the water is still increasing, when the sum of a little over 4 tons of tin on Thursday next, but the surface water is very scarce for dressing.

ST. LAWEENCE AMALGAMATED.—William Wasley, Aug. 26: There is no change in the lode or ground at the shaft sinking below the 52 yard level since last reported on. The ground and lode in the 52 yard level end has improved a little such last states, and is now looking very promising, producing some small lumps of ore. The tributers are making fair wages in the roof of the 52 yard level water.

TalaBaGOCH.—Aug. 27: Expanyed with a long continuance of dry weather our

edore. The tributers are making fair wages in the roof of the 52 yard level, set of the new shaft, and will dress up a lot of ore as soon as we get rain to have with.

ALLARGOOH.—Aug. 27: Favoured with a long continuance of dry weather our pumping-engines, which are in good condition, have with easy working kept well in fork, and our extension of the 330 yard level east is being pushed on in very hard ground. In the west end of the mine a set of men driving the 220 yard level was a copening out good ore ground. The tribute pitches are barely up to the usual sverage. We seil 200 tons of blende to morrow (Friday).

TANKERVILLE.—Arthur Waters, August 27: We have this week taken out diem, penhouse, &c., at the 140, and cased and divided Watson's shaft to the 182, as are now drawing with the machine kibble from bottom. The lode in the 152 was a new drawing with the machine kibble from bottom. The lode in the 152 was a new drawing with the machine kibble from bottom. The lode in the 152 was to minused to improve, and is now worth 5 tons of lead ore per fathom. The lowest is into a lode worth about 6 tons per fathom, and improving as we admen. The 152 will have to go 8 to 16 fms. further to catch the run of lead in the 164 m. level. The other points on the main lode are without change to notice also week. The side lode is opening out fairly. The mine altogether is looking considerably better than it did on the day of the meeting. On Saturday last we sold 80 tons lead ore, at 132, 128, 6d, per ton.

TAN-TR-ALLT (Cardiganshire).—J. Davies, Aug. 27: We have continued the mine the week, and are now about 4 feet deeper than last week; the lode has videned, and is now nearly 5 ft. wide, and contains a rib of silver-lead 5 in. thick, beside blende and spots of copper disseminated throughout, and the shoot of ore spears to be making better upward at the south end of the shaft. We shall get the new 61. In towards the end of next week, but in the meantime can continue the sinking the top repeat litt. The water is getting strong

the new 5ia. lift in towards the end of next week, but in the meantime can contains the sinking with the present lift. The water is getting stronger as we get own-a very good sign.

TERBADALE.—John Kneebone, Aug. 22: The engine-shaft is now cleared up to the bottom of Holm's level 15 fms. 2 ft. from surface. We have had some shots in sorth and south, in the old stopes. We find some very superior ground at the points triet; in fact, if the back of the vein will produce anything near it there is spotiable mine at once in the old ground on what is called here "old man." The ore seen is 10 or 12 inches wide, solid. No change of importance to note in Boptin for Sand Syke levels. Masons, joiners, and road makers all at work again. The ore seen is 10 or 12 inches wide, solid. No change of importance to note in Boptin for Sand Syke levels. Masons, joiners, and road makers all at work again. The ore seen is 10 or 12 inches wide, solid. No change of importance to note in Boptin for Sand Syke levels. Masons, joiners, and road makers all at work again. TREAGABOOK.—John Spargo, Thomas Spargo, Aug. 26: All the points in openion are yielding good lead, and the dressing floor is progressing satisfactively. As soon site wet weather set in we shall prepare ore for market regularly. The mine throughout looks well.

TREEGER WOOD.—E. Hosking, W. Goldsworthy, Aug. 26: The lode in the hasbote the 44, east of the cross-course, is producing good stones of copper ore, and good progress is being made. The lode in the tise above the 44, west of the engine-shaft, is greatly improved, and is now worth it is per takom. We have more lode still standing north, and we think we shall place sligher value on it in a few days when the lode is taken down. We have sw ha largest and best rock of tin from this stope that we ever saw in the mine. The slope below the 34, east of the cross-course, is worth 24, per takom. The wince below the 34, east of the cross-course, is worth 24, per takom. The wince below the 34, east of the cross-course, is worth 24,

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e 20 to clate, cin re-a a rib of lead

of the width awing work for tin; very much improved since my last.

TILIWYD.—J. Paull, Aug. 27: The lode in the 20 fm. level, west of engine that, is outle so good as when last reported upon, being disordered by a cross that, but we expect this will be of short duration; present produce about 15 cvt. It was a state to the state of the continuation of the two points of the south west lode are much the same as for roses time past—from 1½ to 2 tons of lead ore per fathom. Here the two points properly are coming together; if so, we may reasonably expect an important improvement. All going on well, machinery all right. There are some branches of the state of the continuation of the state of

eight men, at 6s. in 1l. One pitch, to two men, at 6s. 8d. in 1l. One pitch, to four men, at 7s. 6d. in 1l. Two pitches, to six men, at 8s. in 1l. Six pitches, to fourteen men, at 10s. in 1l. Six pitches, to nine men, at 11s. in 1l. All at a standard of t 7s. 6d. in 11. Two pitches, to six men, at 8s. in 11. Bix pitches, to fourteen t 10s. in 11. Bix pitches, to nine men, at 11s. in 11. All at a standard of ton for the tin.

IT MARIA AND FORTESCUE CONSOLS.—W. Skewis, N. Coward, Aug. 27.

WEST MARIA AND FORTESCUE CONSOLS.—W. Skewis, N. Coward, Aug. 27:
West Maria Lode: The shaftmen are making good progress in cutting the plat in
the 104, and next week we shall put a pare of men to commence driving the 104
west. In the 93 west the men are still engaged in taking down the lode, which is
now worth 26½, per fathom. The stope in the bottom of the 93 west continues
worth fully 50½, per fathom, and presents a most encouraging appearance for continuation in depth. The stope in back is worth from 20½, to 25½, per fathom.
WEST MILWR.—William Francis, Aug. 16: The cross-cut from West Meadow
shaft still continues in a fine mineral-bearing rock.
WEST TANKERVILLE.—Arthur Waters, August 27: No material change to
notice here since last week's report.
WEST WHEAL GORLAND.—J. Mayne, Aug. 27: Messer's shaft is sunk about
11 fms. below the 30, and we propose to sink one month more, as the lode is increasing in size, and proqueing good stones of in. The acuth wall is may adown

11 fms. below the 30, and we propose to sink one month more, as the lode is in-reasing in size, and producing good stones of tin. The south wall is more down-ight, and looking very promising for producing tin. A stope in the bottom of he 40 fm. level, 10 fms. west of the shaft, is worth 80/. per fathom. The stope in he bottom of the 30, west of shaft, is worth 20/. per fathom. We have communi-ated the 30 driving west with the 30 driving east, and that part of the mine being well ventilated, every preparation is being made to drive the western end on Messer's lode.

the bottom of the 30, west of shaft, is worth 20!, per fathom. The stope in the bottom of the 30, west of shaft, is worth 20!, per fathom. We have communicated the 30 driving west with the 30 driving east, and that part of the nine being well ventilated, every preparation is being made to drive the western end on Messer's lode.

WEST WHEAL TOLGUS.—Aug. 28: Taylor's shaftmen are getting on with their work, and we hope soon to be able to resume the sinking of the shaft. The lode in the rise in the back of the 115 is 8 ft. wide, yielding 10 tons of good or per fathom. We hope to communicate the rise with the 115 againtt next setting day. The stope in back of the 125, east of No. 1 rise, is looking well, yielding 7 tons of ore per fathom. The pare stoping out the side of the 125, between the rises, will take about half of the month to finish it: when done the same pare will commence stoping the back of the level west from No. 1 rise, in a fine course of ore. The lode in the 13 end west is 2 ft. wide, poor, and letting out plenty of water; we shall be expecting to meet with good ore ground in this end very soon. The lode in the 95 rise, west of shaft, is 4 ft. wide, but not orey enough to save; we hope to hole this rise with the winze below the 55 in the coarse of a few days; we shall then push on the 95 end with all possible speed to get under the course of ore gone down in bottom of the 85. The lode in the 55 end west is 5 ft. wide, yielding 3 tons of ore per fathom. The lode in the 75 over tho rise, is scarcely 2 ft. wide, worth 3 tons of ore per fathom. The lode in the 75 end west is a kindly lode, yielding 3 tons of ore per fathom.—Richard's Shaft: We hope in a few day's to see the shaftmen sinking below the 65. The stopes in bottom of the 55, east of shaft, yield 4 tons of ore per fathom, and the stopes in bottom of the 55, east of shaft, yield 4 tons of ore per fathom, and the stopes in bottom of the 55, as a stope of the 120 shaft, and 2½ tons of ore per fathom.

WHEAL ABGUEA.—T rahair, Aug. 27: The undergro

ported on. The lode in the 12 east is 18 in. wide, composed of quartz and mundie. In the 48 east the lode for the 3 ft. we are carrying continues to yield 2 tons of ore a fathom. WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Aug. 22: The ground in the new shaft, sinking under the 180, is just the same, and the lode is still increasing in size; it is now 3½ ft wide, producing saving work for tin. The rise above the 150, on South Condurrow lode, is worth 18. per fathom. The winze below the 140 is worth 15. per fathom. The stope above the 140, west of rise, is worth 28. per fathom. There is no change in either of the 130 cross-cuts. The lode in the 120, east of north shaft, is 2½ ft. wide, and worth 15. per fathom. The stope above the 120 east is worth 10. per fathom. The tope below the 110 east is worth 8. per fathom. The 110 east is without change.

WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Aug. 27: There is no change to report since ours of Saturday last.

WHEAL KITTY (St. Agnes).—Stephen Davey, John Williams, Aug. 22: New Shaft: Pryor's Lode: The shaftmen are making fair progress with the sinking of this shaft below the 142. In the 142 west we have another gossan, which cast the lode south about 2 ft., from which we have stripped the killas and blasted a hole in the capels, which has a beautiful appearance, and is producing good stones of tin, and from the present appearance there is verything to warrant a good lode near at hand. We are pushing on the driving in the 142 east as fast as practicable, to out the lode to the south of the gossan. The lode in the 130, driving west of shaft, is 7 ft. wide, and worth for tin 13. per fathom. The lode in the 130 driving east of shaft, is producing a little tin, but not sufficient to value. In the 18 fm. level, driving west of shaft, the lode is worth for tin 10. per fathom. In the 106, driving west of shaft, the lode is worth for tin 10. per fathom. In the 106, driving west of shaft, the lode is worth for tin 10. per fathom. In the 20, east of shaft, the lode is producing s

of shatt, the local sprotter and the leastern boundary, is without material change to notice.

WHEAL RUBY.—Aug. 26: In the adit level west, on the main lode, there is nothing very new to report, but there appears to be signs of a speedy improvement in the lode driving forward. We have now the two walls of the lode, proving the latter to be 4 ft. wide; here the south wall is killas, and the north wall is composed of quartz, prian, and a little iron. I think there will be a great improvement in the lode scon.

WHEAL UNY.—William Rich, Matthew Rogers, Aug. 22: The lode in the 160, west of engine-shaft, is worth 6. per fathom. The 160 east is worth 6. per fathom. The 150 west is unproductive, and so is the 150 east of Goodinge's shaft. We have holed King's shaft to the 160, and are making good progress in Hind's shaft below the 110: we have 12 men employed in this shaft, and four men in King's. The 140, west of incline shaft, is worth 12. per fathom. The rise in the back of the 120 west is worth 10. per fathom. The 30 end, east of King's, is worth 8. per fm. The 190 east is worth 10. per fathom. The 110 east is worth 6. per fathom. 40, west of incline, is worth 8. per fm. We have sold to-day 11 tons 19 cwt. 2 qrs. 23 lbs. of tin.

WHEAL RUSSELL.—John Bray, Aug. 27: No alteration to notice in the mine since last report. We shall sample to-morrow for this month 100 tons of ore.

#### MINING NOTABILIA.

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

Mining in the Lelant district is likely to receive some considerable impetus. The progress of one or two concerns is highly gratifying, and nothing is wanted to make many young mines in Cornwall great successes but judicious prosecution. The past successes, which have been almost unparalled in the history of Cornwall, should stimulate those who now hold shares in comparatively young adventures with no little gratification at the highly satisfactory progress being made made at Trevarrack. All acknowledge the property to be of high merit, and all will be pleased if the persevering shareholders are rewarded as they are likely to be, and that ere long. It is not to be wondered at that they are turning their attention already to another property of great merit, about which more will be heard shortly. Suffice it to say that there is scarcely a property better situate than the one just referred to, and which will be successfully worked, in Cornwall. Already the shares are enquired for, although no public announcement has been made, nor is likely to be.

OLD BOTTLE HILL seems gradually working itself into a good

nearu snortly. Sumes it to say that there is scarcely a property better situated than the one just referred to, and which will be successfully worked, in Cornwall. Already the shares are enquired for, although no public announcement has been made, nor is likely to be.

OLD BOTTLE HILL seems gradually working itself into a good position, and an assay this week of the copper ores raised from a winze sinking under the 36 fm. level, on Bucking House lode, gives rather extraordinary results. These samples were teken by the agent from about 10 tons now in course of dressing, and showed by an assay made by Mr. Harvey, of Tavistock—No. 1, 254 per cent. for copper; No. 2, 23% per cent.; No. 3, 16% per cent. The 46 fm. level is being driven to get under this ore ground, and is now 8 to 10 fms. from it. There will then be 10 fms. of backs, and a very small quantity of this rich ore will leave a profit. The mine is worked by water-power, and at a cost of about 70t. per month only. The mine has sold tin ores for the present company for about 2000/., and is still returning small quantities, and could do much more if that metal were at a better price. During the panic last autumn—as it was announced at the general meeting, held in September—half the mine was relinquished by one shareholder, though shares a few months previously had been saleable at 16t. each; and an offer for the whole to a relinquished was made to the meeting by one firm. It was decided, however, to offer them pro rata to the old shareholders, at 1t. 10s. each, the said firm undertaking to purchase all shares not so taken up at a fixed price, and they afterwards did so; and they at once commenced sinking Rowe's shaft from the 36 to the 46 fm. level, to prove the copper lode, and it appears probable that the result will prove a great success. Had not the firm in question come forwards as they afterwards did so; and they at once commenced sinking Rowe's shaft from the 36 to the 46 fm. level, to prove the copper lode, and it appears probable that the result wil

and south veins will also be intersected by a large number of east and west veins. It is very evident, from the appearance of the old works, that large quantities of lead ore have been extracted from a very limited space of ground near the surface and the remains of wooden pumps, and drifts or levels, so small that they can hardly be crept into, prove how great the difficulties the old men must have had to contend with, especially when it is known that at that time neither road nor railways existed, and that the material to and produce from the mine had to be conveyed on the backs of "galloways," or mules, or by means of sledges. The extent of ground opened by the ancient workers is very limited, and in ground thus opened very good ore is left standing. A few shots put into the roof of an aid drift, near the bottom of the engine shaft, laid open a rib of solid ore about 12 in. wide. Rails will be laid down, and this ground stoped and carried away to engine shaft in wagons; and levelsalso driven off north and south, to get into whole ground.

THE TAYISTOCK AND GUNISLAKE DISTRICTS,—Mining in these localities, with a good standard for copper, would now be doing well. Devon Great Consols, Old Russell, Bedford United, Hingston Down, West Maria and Fortesoue, and others would—if not all, very nearly all—be in the Dividend List, and a fresh impetus would be imparted to the many other promising speculations in the neighbourhood. Unfortunately, besides the lowness of the standard, and outple of dividends recently declared in connection with two concerns near Grae couple of dividends recently declared in connection with two concerns near far and prove the means of causing some considerable amount of serious conversation in every circle interested in the legitimate investment of capital, and the unanimous opinion arrived at is that the questionable mode of procedure adopted in both in stances cannot fail to prove very damaging to the future of that immediate district.

NANT-Y-RICKET.—The least parcel sold at the Swansea T

WHEAL PERSEVERANCE (formerly East Wheal Uny).—Mr. Crawshay has purchased the sett from the former adventurers, and has been working the mine at his own expense. He is largely interested in the neighbouring mines. ROYAL POLBERRO.—The machinery and everything on the Polberro Mines, 8t. Agnes, consisting of a 60-inch steam-engine, boilers, &c., are to be sold as a working coucern. The officers of the Duchy of Cornwall have intimated that a new lease will be granted to an eligible purchaser prepared to continue the working of the mine. These mines have been worked for many years as a comparatively private concern by the Messrs. Taylor.

NORTH CROFTY.—The machinery, materials, &c., of North Crofty were advertised to be sold by public auction, on Tuesday, but owing to the highest bid being less than the reserve price (4000L) they still remain unsold. The bidding commenced at 2000L, and after a spirited competition between Mr. Alfred Lanyon and Mr. 8. Davey ceased at 3375L, the bidding of the latter gentleman. The auctioneer finding he could get no higher price, telegraphed for instructions to the Court of Stannaries, Truro, and received back instructions, by wire, that he was not to sell at that price. The machinery, &c., therefore, remains unsold.

CUBERT IRON MINES.—We understand that Mr. Parkyn has succeeded Mr. Arthur Peto in the management of these important mines.

CASTLE-AN-DINAS (St. Columb).—The whole of the machinery and materials here are to be offered for sale by public auction.

ADVANCE IN THE TIN STANDARDS.—The standards of tin ores were advanced on Monday, Aug. 17, 2s. per cwt., and are now as follows:—Superior common, 88s.; superior fine, 90s. The price of tin metal is:—common, 98s. in the tin standards to announce, yet it is gratifying to learn that the smelters willingly pay to tin sellers at present 31, per ton beyond the so-called tin standards. In 1748, Cornish tin was 64. per ton; in 1800, 1451; in 1843, 601; in 1857, 1467.; and in 1874, at present, 98c.

In 1748, Cornish tin was 64. per ton; in 1800, 145.; im 1843, 60l.; in 1857, 146l.; and in 1874, at present, 98l.

EXTENSIVE MINING OPERATIONS IN THE ST. AUSTELL DISTRICT.—A correspondent writes: I think you will feel revived to know that an influential and rich body of shareholders have decided on working a large tract of mineral property between the ports of Par and Charlestown, and extending itself north to in the New Pembroke Mine. The various properties to be wrought are the Little Crinnis, the Great or Old Crinnis, and part of Old Pembroke Mines, and now designated the Great Crinnis and Carlyon Consolidated Mines. The lodes are numerous, and copper ore, zinc ore, and silver ore have been already raised from this property. There are 120 shares, of 100l. each, on the Cost-book Principle, all privately taken up. A 50-in. cylinder engine has been arranged for, and immediate active development will take place. The feeling in the district is very joyon at such good news, and it is to be hoped that our mining interests throughout Cornwall may soon have a revival. There are, no doubt, large tracts of mineral property in Cornwall, and new districts to open where success may result from development as much as from the old stand-by localities. The question is, are webroad enough in our views of the mineral wealth of Cornwall? Take manganese. We hear of lodes being discovered out of Cornwall, and much ado and excitement about it. Why, miners with small capital can find plenty in Cornwall. Hunt up Tregony and Gorran, it abounds in these districts. Take, again, nickel and cobalt. Mines of nickel are being hunted up all over Norway and Sweden, the Alps, Newfoundland, and South America, and the supply is so small that the metal is gone up from 180l. to 500l. and 600l. per ton, and good ore of nickel, such as old Fowey Consols raised, would be worth now from 100l. to 160l. per ton, and selected parcels 200l. per ton. Let Cornish miners hunt up St. Ewe and that district. There are square miles, all nickel-bearing strata, a

of our present poor depressed county.

CORNISH MINE SHARE MARKET.—The Share Market has been rather quiet throughout the week in spite of a steady business being done from outsiders investing in dividend stock at low prices. The tin market has been quiet, if anything a little flattre, but the standards remain unaltered. It is asserted that the drop in coals, materials, and labour will enable the mines to return tin at 10%, per ton less than when tin was at its highest figure. For instance, South Crofty is now buying coals at 19s. per ton instead of 25s., which she paid some time since. West Tolgus shares have engaged a fair share of attention, and prices have fluctuated between 57 and 63½, a few shares were sold at 60%, yesterday. The question of mines smelting their own thi a sgain cropping up, but nothing yet has been really done in the matter. Many mining authorities are of opinion that mine managers have enough to look after already, and insist, not without reason, that it is quite as difficult to sell white tin at the highest price as black tin. They argue there is no market for the metal nearer than London, and that, therefore, a man would have to trust to a London metal broker. If, however, the mines smelted their own tin, a market would quickly be found for their production. Many parties assert that the mines would gain what now passes into the hands of the smelters; this is, however, very questionable. Nothing but an experiment can satisfactorily settle this question. The mine which first comes boldly forward and creets a smelting works for itself will no doubt solve a difficult question. It may not only benefit its own adventurers, but might possibly lead the way to a new and brighter era in the history of Cornish mining. The following are the closing prices:—Carn Breas, a fair business done in these shares at from 55 to 57½, and there is still a good enquiry for them. Cargoils called 2 to 2½. Cook's Kitchens have [declined from 10½, 11 to 9½, 10, and a good many shares have changed hands. Dolcoaths, i

EBERHARDT AND AURORA MINE .- On Monday, while the miners were ously engaged at the polls, we accepted an invitation from foreman William Maxwell to explore the depths underground. Passing in through the South Aurora tunnel, which commences on the east side of the hill, we were conducted along a distance of some 750 ft. to the opening lately made into the Wyon chamber. We have attempted heretofore an imperfect account of the wonderful body of ore contained within the walls of this new discovery, and are even now at a loss how to commence anything approaching a competent description of the same. The level on which we first entered the immense excavation is about 150 ft. from the surface, and since our last visit a shaft has been sunk down a distance of 60 ft., at which depth another huge body of ore has been encountered, soon to be connected with the upper workings, making a chamber of almost solid mineral, measuring, approximately, from 90 to 100 ft. in height and of a yet unknown length. Some specimens taken by us from the walls are exceedingly rich, going up into the thousands, and the general average, we are told, will be from \$80 to 120 per ton. Some 50 tons are being daily extracted from this wonderful subtervanean cavern, and the quantity remaining in sight seems to be increasing instead of diministing. The footwall, which is found from the South Aurora on the south to the Hidden Treasure on the north, is here encountered, bearing the same dip and in perfect line from end to end. All ore found lies east of this morth and south foot wall, approaching nearly if not quite up to the wall, and exploration has proven that no mineral is found beyond or west of the same. This fact only still further proves the truth of the theory advanced and maintained by us during the years in which we have been acquainted with this truly remarkable locality, and is convincing as to the existence of a trac vein of mineral extending completely through the hill, rich in quality and enormous in quantity. It is with much satisfaction that we commence to see the light, for whi-h we have al were busily engaged at the polls, we accepted an invitation in Maxwell to explore the depths underground. Passing in thr tunnel, which commences on the east side of the hill, we were

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from the various workings. While in the mine the shift of men at work had charged the various holes ready for a blast, and were removing the timbers preparatory to shooting them off. At a given signal, the men having retired to a safe distance, the match was applied, and shortly the earth moved and swayed with the concasion resulting from the thundering tones of 21 shots, following each other in rapid succession. At this time was demonstrated another beauty of our Treasure Hill mines. The powder smoke, which sometimes lingers for a long time underground, here is borne off rapidly through the various shafts and tunnels running to the surface, thus causing but little delay to miners from this cause. It is generally supposed that the old workings, such as the Risdale, Ladies', Peerleas, and Earl chambers, situated south from the Wyon, have been completely worked out. But this is an error, and we were convinced of this by Mr. Maxwell pointing out ou se the firmenese amount of pay ore still left chinging to the walls on every side, but which, being of low grade, such as \$40 or \$50 ore, has not been disturbed. When manager F. Drake has succeeded in getting his company out of debt, a matter of but short time now, he informs us that prospecting will be commenced with energy and persistence. — While Pine News.

WHITEHAVEN IRON MINES.—Very encouraging reports continue be received from the mines respecting the ore met with in the rise from No. 2 No. 1 level. The vein of ore in No. 3 drift is 15 in. wide, and very good. Rail-y men are laying rails at 2 miles 25 chains.

MOLD-ARGORD COLLIERY .- The men have accepted the company

MOLD-ARGOED COLLERRY.—The men have accepted the company's terms of 10 per cent. reduction in their wages, and have resumed work, the output of coal having aircady nearly attained its full height. A brisk demand and higher prices are anticipated during the approaching winter.

INDEPENDENCE GOLD QUARTZ.—The great improvement announced by cable to have taken place in the yield of the quartz crushed during July has been fully confirmed by the receipt of the deposit note of the San Francisco Assaying and Refining Works, which gives the weight of the gold produce of the month to be 493 ozs., which realised \$8744.84.

which contains—Original Correspondence: Coal Mining in Italy, (P. Le Neve Foster); Coal in the West Indies (C. Bradley); Basso Forte Collieries Company; Clapp's Coal-Cutting Machinery; Nova Scotia Land, Gold, and Quartz Crushing Company; Bulphur in Iceland; Iron in Queensland (J. Percy, R. Daintree); Wealth of California; Gold Mining in Wales; Mining Interests of the West (R. Tredinnick); Rating of Metalliferons Mines; Mechanical Mining; Mining in Gwennap; Iron Ores in the Exmoor Estate, North Devon.—Proceedings of the Iron and Steel Institute, North Staffordshire Mining Institute, Royal Cornwall Polytechnic Society, and Miners' Association of Cornwall and Devon—Mineral Resources of Nova Scotia—Meetings of the Littledean Woodside Coal, Eberhardt and Aurora, Van Consois, Great West Van, Blinman Consolidated, and Ruby Companies.

#### The Mining Market: Brices of Metals, Ores, &c.

METAL MARKET-LONDON, Aug. 28, 1874.

COPPER. & s. d. & s. d.	
Best selectedp. ton 86 0 0-87 0 0	
Tough cake and tile. 83 0 0-85 0 0	
Sheathing & sheets 90 0 0-93 0 0	Nail rods
Bolts 96 0 0- 98 0 0	
Bottoms 93 0 0- 95 0 0	
Old 80 0 0- 85 0 0	Hoops, ditto12 0 0-13 0 0
Australian 86 0 0- 88 0 0	Bars at works 10 0 0-11 0 0
Wireper lb. 0 1 034	Hoops ditto11 0 0-14 0 0
Tubes 0 1 014-0 1 1	Sheets, single, & plates 13 0 0-15 0 0
BRASS. per lb.	Pig No. 1, in Wales 5 0 0- 6 10 0
Bheets 10d11d.	Refined metal, ditto 7 0 0-8 0 0
Bries 10111d.	Bars, common, ditto 8 10 0
Wire 101/d11d.	De manchant fob
Tubes 11d12d.	in Tyne or Tees \$ 0 0 0-
Yellow metal sheathing 3d81/d.	Do., railway, in Wales 7 0 0-8 0 0
Sheets 73/d8d.	Do., Swed. in London.17 0 0-18 0 0
SPELTER. per ton.	To arrive17 0 0-18 0 0
Foreign on the spot 22 5 0-22 10 0	21 22 2 3 61 1 2 2 1 0 1 2 0
to arrive 22 7 6	Do., f.o.b. Tyne or Tees 4 11 0- 5 15 0
,,	Do., Nos.3,4, f.o.b., do. 4 10 0- 5 10 0
ZING.	Railway chairs 5 0 0- 5 5 0
In sheets 28 10 0-28 15 0	spikes12 10 0-14 0 0
QUICKSILVER (p. bot.) 23 0 0	Indian Charcoal Pigs,
TIN.	in London, p. ton 10 0 0-12 0 0
English blocks £ 96 0 0	In mondony Private trace
Do., bars (in bris.) 97 0 0-	STEEL. per ton.
Do., refined 98 0 0- 99 0 0	Swed., in kegs (rolled)
Banca 98 0 0- \$9 0 0	Ditto (hammered)19 10 0-20 0 0
	Ditto, in faggots21 0 0
	English, spring23 0 0-25 0 0
TIM-PLATES.* per box.	LEAD. per ton.
	English Pig, com 21 5 0-21 10 0
C Charcoal, 1st qua. † £1 16 0- Nom.	200
X Do., 1st quality 2 0 0-	Ditto, L.B21 5 0-21 7 6
IX Do., 1st quality 2 0 0- ,,	Ditto, L.B
IX Do., 1st quality 2 0 0- ,, IO Do., 2d quality 1 15 0- ,, IX Do., 2d quality 2 1 0- ,,	Ditto, L.B
IX Do., 1st quality 9 0 0- (O Do., 2d quality 1 15 0- ,, IX Do., 2d quality 9 1 0- ,, (O Coke	Ditto, L.B
IX Do., 1st quality 2 0 0- ,, IO Do., 2d quality 1 15 0- ,, IX Do., 2d quality 2 1 0- ,,	Ditto, L.B. 21 5 0-21 7 6 Ditto, W.B. 21 15 0-22 0 0 Ditto, sheet 22 10 0- Ditto, red lead 23 0 0- Ditto, white 30 0 0-82 0 0
IX Do., 1st quality 9 0 0- (O Do., 2d quality 1 15 0- ,, IX Do., 2d quality 9 1 0- ,, (O Coke	Ditto, L.B

At the works, is. to is. 6d. per ton less. Terne-plates 2s. per box below tin plates of similar brand.

REMARKS. -Throughout the week a very dull tone has pervaded the market for metals generally, export orders being very scarce.

The Bank rate was reduced on Thursday last to 3 per cent., and in ordinary times would have stimulated metals, but in the present in-stance does not appear to have had any effect, the general feeling being that we shall have a still further reduction. We trust shortly to be able to report a more hopeful state of our market in its various

IRON .- As week after week passes over the indications of improvement in the iron trade become more and more perceptible, and there can be little doubt but that a turn in the tide of affairs has provement in the iron trade become more and more perceptible, and there can be little doubt but that a turn in the tide of affairs has already taken place, which will continue to progress more rapidly now that the shipping season is felt to be limited, and the months yet remaining must be taken advantage of to complete the requirements of the year. The most hopeful feature of the market is that the enquiry for rails especially is on the increase, and orders of considerable maginitude have already been placed. The South American demand is springing up, and other foreign orders are coming forward, while the requirements for the repairs of home lines are not inconsiderable. The orders that have already been placed are believed to be but the forerunners of very considerable contracts, with which the manufacturers may readily fill their books at will, but the question still remains, to some extent, one of doubt how far it will be practicable to undertake the fulfilment of engagements at current rates, unless an understanding be arrived at between masters and men, which, while enabling the latter to work at a fairly remunerative wage, shall leave for the former a defined margin of profit. It is a matter of sincere regret that existing differences have not long since been settled, and that even now there appears to remain an indisposition to arrive at such an agreement as shall prove the basis of a permanet settlement of dispute. Were buyers once and for all convinced that there was no further cause to fear the recurrence of strikes or locks-out, and that they prospect of any great variation in prices was not a matter of imminent probability, confidence would be restored, and a very different condition of affairs would rapidly ensue.

The effect which may result from the blowing in of furnaces in Scotland, which have been lying idle for some months, remains to be seen, and it may be that the expectation of those who are rather looking for lower prices in Scotland, which have been lying idle for some months, remains to

Week ending Aug. 22, 1873. Week ending Aug. 22, 1874

Decrease 2,400
Total decrease since Dec. 25, 1873. 146,818
COPPER.—The market during the past week has been much stronger. On Monday Chili bars, g.o.b., quoted 76/., cash; Wallaroo, 87/. 10s.; and Burra, 86/. 10s. On Tuesday Chili bars, g.o.b., changed 874. 10s.; and Burra, 864. 10s. On Tuesday Chili bars, g.o.b., changed hands at 761. 10s., cash; Burra, 864.; English, steady; tough, 834. to 844.; best selected, 841. to 854.; India 4 by 4 sheets, 904. Wednesday: Chili bars, Lota, to arrive, two months, sold at 764. 15s., and 180 tons T. A. Edwards at 764. 15s., cash; g.o.b., 764. 10s., cash. Thursday: Market firmer; 200 tons Chili bars, Lota, to arrive, sold at 774., and 25 tons picked brands, at 774. 10s., cash: 100 tons Urmeneta rumoured sold at 764. 15s.; Wallaroo changed hands at 874. 10. To-day market very strong; Chili bars principally held in Liverpool; sales at 774. to 777. 10s.

LEAD.—There is no alteration to report in this metal, which continues firm, sollars declining to account leas then 214. 5s. for graced soft

tinues firm, sellers declining to accept less than 211.5s. for good soft

English. Spanish, without silver, 201. 15s.

Spelter.—We cannot advise any improvement in this metal, which is still dull, Silesian being quoted 221. 5s., with very little

enquiry.
QUICKSILVER.—Market firm at 23l. per bottle.
TIN.—Straits tin sold on Monday at 93l., quiet market. Tuesday,
92 to 93l.; Australian, 91l. 10s. to 92l.; English ingots, 97l. to 98l.
Wednesday: Still a downward tendency; Straits, 92l.; Australian,
90l. to 91l. To-day Straits very flat, and rather pressed for sale;
Straits have been bought at 91l. This has affected English, which

is quoted 2l. per ton under our last quotation. Banca, 98l.; Austra-

TIN-PLATES .- Market very quiet.

Messrs. Vivian, Younger, and Bond—Coppers: Several circumstances have combined to give rise to increased trade in copper. The continued holding of Wallaroo for a fancy price enabling English smelters and holders of outside Australian to make sales on favourable terms, and the report that the American copper previously offering has been taken over by an influential house in New York has had a beneficial effect. The quantities of bars daily offering, doubtless on advices from the other side, promotes some uncertainty, and most of those who deal in the article abstain from operating, as they think this will probably cause a gradual reduction in price. About 1000 tons of Chill bars have changed hands during the week at prices from 704. 10s. to 78. 15s. for good ordinary brands, eash terms, and 77f. for arrival, while for parcels of ploked brands 78t. 16s. and 77f. to have been paid. Only very small transactions in Australian copper have taken place, Wallaroo cake at 87t. 10s., and Burra cake at 86t. 10s. A sale of 25 tons Lake Superior copper was made; at 86t. 10s. About 130 tons of regulus were sold at 15s. 3d. per unit. For manufactured copper lower prices have been accepted, and some further orders for copper sheets for Russia have been placed at 59t. 10s.—Thy: This market has been in a very unsatisfactory position for some little time. Sales of small lots were made at 93t, for Straits, and 91t. 10s. to 92t. for Australian. Towards the close, however, considerable quantities of Straits to arrive have been sold at 90t., and of Australian on the spot at 90t., at which sellers remain, and the market appears weak.

Messrs. James and Shakspeare—Copper : Nothing has transpired

Messrs, James and Shakspeare—Copper: Nothing has transpired in furnace material beyond 230 tons regulus by private contract, at 15s, 3d. per unit. Of Chill bars a fair quantity changed hands from 76t. to 7t. for good ordinary brands—usual cash terms, and to arrive, and 76t. 15s. to 7t. 10s, for picked marks, cash. A better feeling has existed in the market during the last few days, with more disposition to operate on the part of buyers, and the transactions would doubtless have been much larger but for the fact that many holders are keeping back for higher values. Reports of further sales of Lake Superior ingots have reached us, but so far no particulars nor confirmation are forthcoming. Australian descriptions continue in steady request, and it is impossible to purchase below the current rates. In English there is not much doing, but makers are firm, and will only accept orders at their own prices.——Thy: English is easier, and can be bought at a reduction of 2s. to 3s. per cwt. Foreign sorts have been very depressed, with considerable anxiety in some quarters to realise, which has had a very unfavourable effect on values, and we note a decline of 2s. to 3s. per cwt. From the quotations of the 21st Inst., the market closing in a very unsettled state.——QUICKSLIVER has again advanced to 23t. per bottle.

Messrs. Henry Roovers. Sons. and Co.—There is apparently more Messrs. James and Shakspeare-Copper: Nothing has transpired

again advanced to 23t. per bottle.

Messrs, Henry Rogers, Sons, and Co.—There is apparently more life in the metal trade than for some time past; attention is again particularly attracted to copper.—IRON: The demand for finished iron for export and con sumption continues good, and for speedy delivery slightly better prices are obtainable. Scotch pigs have receded about 5s., but there is an increased demand in consequence. North Country pigs are still scarce, especially for foundry qualities.—Copper: The market has improved fully 30s., and the demand at this increased price is moderately active; such bars as offer are readily taken, both spot and to arrive in six weeks to two months. For English also there is a very good enquiry, and the smelters now look for higher prices. For manufactured there is but a poor demand, especially for the Esst.—Thy: The market is heavy, and has fallen fully 2t. The demand for plates is not active.—Spelter: Consumers still hold off in the anticipation of tower prices, but there is every indication of the market having turned, and as autumn approaches higher prices seem likely to be obtained.

ing turned, and as autumn approaches higher prices seem likely to be obtained.

CHEMICALS AND MINERALS—(Messrs, J. Berger Spence and Co., Manchester, Aug. 28).—Soda: Cream caustic, 60 per cent., 13. 15s. to 14.; white, 15t. 5s.; soda ash, 2½d. to 2½d.; soda crystals, 5t. 10s. to 5t. 15s. to 1carbonate, 16t.; sait cake, 3t. 5s.; Glauber salts, 2t. 17s. 6d. to 3t.—Bleaching Powder: At 9t. 15s. to 10t.—Alum: 8t. for loose lump; ground, 9t.—Mirate of Soda: At 11s. 9d. to 12s..—Ammonia: Sulphate, white and grey, 17t. 5s. to 17t. 10s.; carbonate, 7½d.; murlate, 30t. to 35t.; sal ammoniac, 1sts, 45s.; 2nds, 44s.—Potash: Murlates, 30 per cent., 6t. 10s. to 6t. 12s. 6d., f.o.b.; Prussiate, red, 2s. 7d.; yellow, 12½d.; chlorate, 11d.; bi-chrome, 6½d.—Iron Salts: Green and rusty copperas, 60s. to 65s.; dry copperas, 55s.—Copper Salts: Sulphate of copper, 2ft.—Salt-petre: Foreign, 20s. to 22s.; refined, 20s. to 27s.—Add: Tartaric, English, at 1s. 7½d.; foreign, 1s. 7d.; oxalic, 7½d.; sulphuric, 3t. 10s. to 3t. 15s.; carbolic, No., 11d. to 1s.—Arsenic: 10t. for white powdered.—Magnesia: Epsom salts, 4t. 2s. 6d. to 4t. 5s.; refined, 4t. 10s.—Pitch: 32s. to 35s.—Benzole: 30 per cent., 2s. 9d.; 50 per cent., 3s. to 3s. 3d.; 90 per cent., 4s. to 4s. 6d.—Borax: Refined, 70s.—Wood Pulp: Labro Moist, 5t. 10s. per ton at outport.—Brimstone: Best thirds, 7t. 2s. 6d. —Phosphates of Alumins, 3t. to 3t. 10s. per ton.—Pyrites: Spanish cupreous, 3½d.; non-cupreous, 9d. to 9½d.—China-clay: 18s. f.o.b Cornwall.—Phosphates: High strength, 85 to 90 per cent., 1s. 4d. to 1s. 5d. per unit; Estramadura, 1s. 3d.; ordinary, 60 per cent., 2s. to 3d. epen int; Estramadura, 1s. 3d.; ordinary, 60 per cent., 5t. 6d. Per unit; Estramadura, 1s. 3d.; ordinary, 60 per cent., 2s. to 10s.—6d. epen unit; Estramadura, 1s. 3d.; ordinary, 60 per cent., 5t. 6d. epen unit; Estramadura, 1s. 3d.; ordinary, 60 per cent., 5t. 6d. epen unit; Estramadura, 1s. 3d.; ordinary, 60 per cent., 5t. 6d. epen unit; Estramadura, 5t. 3d. epen 2s. 4d. epen unit; Estramadura, 5t. 3

Messrs. Pixley and Abell.—Gold: There being no export demand whatever, recent arrivals of gold have been taken to the Bank of England—about 457,000. In bars and coin having been so disposed of since our last circular. About 200,000. Ans come to hand from New York, 24,000. from the Cape, and 114,000. from Japan.—SILVER: There has been a good enquiry for bar silver during the past week, and the price has been well maintained at 48, 10d. per oz. standard. The arrivals have been limited—about 20,000. from the United States and 64,000. per Cotopaxi, from the Pacific: 9950. was shipped to Bombay per Perninsula and Oriental steamer Khiva, leaving Southampton this day.

ROUGH DIAMONDS—(Messrs. Pittar, Leverson, and Co.)—The intivity and depression reported in our last month's circular still continue, and expl. for parcels of very superior quality sales can only be affected by holders conting to a reduction more or less considerable from values previously current to descriptions of diamonds that are most unfavourably influenced by the preling depression are yellow and light yellow stones of all sizes, small stones genelly, and common to medium cleavage.

The MINING SHARE MARKET is still without change, and we have very little busines; to report upon. The settlement of the fortnightly accounts, generally the best test of the dulness or activity of the market, took place on Friday, and was again of very

Initied extent.

A few transactions have taken place in Roman Gravels, Prince of Wales, Tankerville, West Tankerville, Wheal Grenville, Pennerley. Carn Brea, Great Laxey, Van Consols, and a few others, but quotations generally are merely nominal.

Cook's Kitchen shares, 9½ to 10½; the tin sold and credited at the meeting on Aug. 20 realised 4055%, 12s. 11d.; the costs were charged up to June 6, and a balance was carried forward against the adventurers of 804%. 15s. 4d. The bottom level (the 306) is worth 60%, per fathom east of the winze; west it is worth 25%, per fathom. The turers of 804. 15s. 4d. The bottom level (the 306) is worth 60l. per fathom east of the winze; west it is worth 25l. per fathom. The shaft below the 306 is worth 40l. per fathom. Since the previous meeting Dunkin's lode had been cut in the 190 cross-cut south of engine-shaft, and opened upon 7 fms., worth 25l. per fathom. This lode the agents expect will considerably enhance the value of the mine. West Frances, 10 to 11; the tin sold here and credited at the meeting (63 tons) realised 3474l. 12s. 2d., and the costs were charged to June 20; the balance against the company (706l. 14s. 11d.) was carried forward. The 132, west of Smith's shaft, is worth for the part driving 20l. per fathom. The 120, east of Bailey's, 35l. per fathom for 12 ft. wide. Van, 20 to 25; the sales for the month realised 6145l.; the lead (450 tons) brought an average of 13l. 11s. 9d. per ton; blende (150 tons) 2l. per ton. Tincroft, 30 to 32½; Carn Brea, 54 to 56. Brea, 54 to 56.

eleigh Wood, 13 to 2; the lode on the north side of the 44, Treleigh Wood, 1\frac{3}{2}\times to 2\times the lode on the north side of the 44, west of engine-shaft, has greatly improved, and worth 25\times per fathom, with more lode standing north. The agents state they have the largest and best rocks of tin from the stope ever seen in the mine. Dolcoath, 45 to 47\frac{1}{2}\times East Lovell, 11 to 12\times Bog, \frac{1}{2}\times \frac{3}{2}\times \frac{3}{2}\tim The receipts, including last call and 53 tons of tin sold for 28701., left a debit balance of 16651. The actual loss on the four months was about 1000%, and the low price of tin made a difference in the was about 1000k. Several points are being prosecuted in the mine, and by the time they are developed it is hoped tin will be at a better price. East Van. \(\frac{3}{4}\) to 1. Great Laxey, 11 to 12; a parcel of 100 tons of ore was sold to-day to Messrs. Sheldon and Bush a 211.18c day per to 100 tons of ore was sold to-day to Messrs.

211. 18s. 6d. per ton.
Unity Wood, 12s. 6d. to 15s.; at the meeting held in Cornwall at call of 2s. 6d. per share was made. The accounts for three months showed a loss of 396% and a debit balance of 885%. The tin sold realised 1575%; the lode in the shaft sinking below the 50 is reported. realised 1575k; the lode in the shaft sinking below the 50 is reported worth 20k. per fathom for tin. Nangiles; at the meeting here there was a debit balance of 379k, and a call of 3s. per share made. East Chiverton made a call of 7s. 6d. per share; the debit balance was 642k. 12s. 5d. Hingston Down, 20s. to 25s.; Ladywell, 2\frac{3}{2} to 3; Marke Valley, 15s. to 17s. 6d.; Parys Mountain, 7s. to 9s. Old Bottle Hill, 1\frac{1}{2} to 2: three samples from this copper lode have been assayed, and yield respectively 16\frac{1}{2}, 25\frac{3}{2}, and 23\frac{1}{2} per cent. of copper; a produce equal to some of the best foreign ores. Penhalls shares, 1 to 1\frac{1}{2}; Pennstruthal, 10s. to 12s. 6d. In Highburrow shaft, sinking below the 34, the lode is worth 30k. per fathom. The 24 west, 16k; the 22 west, 12k. The 16 heads of new stamps are ready to go to work, and there will be 10 tons of

tin ready for sale by Wednesday next, with regular sales, it is a

Prince of Wales have advanced from 10s. to 4, 1; there is no characteristic of wales have advanced from 10s. to 4, 1; there is no characteristic or market o Prince of Wales have advanced from 10s. to \(\frac{1}{8}\). \(\frac{1}{2}\); there is no chars whatever in the mine, and the rise is owing to market operation. Roman Gravels, 14 to 14\(\frac{1}{2}\), ex div.; South Carn Brea, 2 to 2\(\frac{1}{2}\); South Carndon, 90 to 100; South Roman Gravels, \(\frac{1}{2}\) to \(\frac{1}{2}\); St. Ives Coasols, 8 to 9; Trumpet Consols, \(\frac{1}{2}\) to \(\frac{1}{2}\); Van Consols, 3 to 3\(\frac{1}{2}\); West Maria and Fortescue, 7s. to 9\(\frac{1}{2}\); West Merville, 1 to 1\(\frac{1}{2}\); Wheal Crebor, 1\(\frac{1}{2}\) to 1\(\frac{1}{2}\); West Mesl Grenville, 4 to 4\(\frac{1}{2}\); Wheal Kitty (St. Agnes), 7 to 7\(\frac{1}{2}\); New West Rosewarne, 1\(\frac{1}{2}\) to 8 cosewall Hill and Ransom, 5s. to 7s. 6d.; East Pool, 9\(\frac{1}{2}\) to 9\(\frac{1}{2}\); South Frances, 9 to 10; West Tolgus, 57\(\frac{1}{2}\) to 6\(\frac{1}{2}\); Almada and Tirito, \(\frac{1}{2}\) to \(\frac{1}{2}\); Chontales, 10s. to 15s.; Eberhardt ad Aurora, 4\(\frac{1}{2}\) to 4\(\frac{1}{2}\); Footing and Bolivia, \(\frac{1}{2}\) to \(\frac{2}{3}\); Malpaso, \(\frac{1}{2}\) to 4\(\frac{1}{2}\); Sweetland Creek, 4\(\frac{1}{2}\), to 4\(\frac{1}{2}\).

The market for Mine Shares on the Stock Exchange during the week has been well supported, with a moderate amount of bulnas doing. The fortnightly settlement, which was completed yesterds.

has restricted new business.

Home mines remain in fair demand, and good quotations has been obtained. American mines have been more active; Richmond shares have advanced, and close firmly, the latest advices (referred to below) continuing of the most satisfactory character.

The metal market has been without any important variation. The metal market has been without any important variation checked by the report of further sales from Lake Superior. The checked by the report of further sales from Lake Superior. The checked by the report of further sales from Lake Superior. The checked by the report of further sales from Lake Superior. The checked by the report of further sales from Lake Superior. The checked by the report of further sales from Lake Superior.

easier, and somewhat lower and unsettled. Lead firm at quotation

sier, and some pelter unaltered. Pelter unaltered. Richmond Consolidated,  $6\frac{1}{2}$  to  $6\frac{3}{4}$  ex div.; cablegram received Richmond ore only." The want of outside

Richmond Consolidated, 6½ to 6¾ ex div.; cablegram received "Week's run. ¾46,000; Richmond ore only." The want of outside ore for fluxing purposes is still felt, and the returns are not likely to be higher till this difficulty ceases. It will be recollected that on July 29 a cablegram was received announcing that "rich ore had been cut on the bottom level of the main lode, that a new ore body had been discovered to the north in level below Lizette tunnel, and 30 ft. sunk in fine ore." By letters and cablegram since received, it appears that the importance of this new ore body is daily becoming of greater magnitude. We learn that at the 30 ft. depth, announce by the cablegram referred to, it was estimated that many thousand tons of the best ore yet discovered have been laid open. Since the a depth of 60 ft. had been reached, and the ore body had widend out to 16 ft.; it is evident, therefore, that a large and most valuable. out to 16 ft.; it is evident, therefore, that a large and most valuable addition has thus been added to the reserves. The main lode is also addition has thus been added to the reserves. The main lode is also reported to be going in the best direction for the interests of the company, and to be holding rich. The new discoveries appear be especially rich in silver and gold. It must be reassuring to the shareholders to find the mine thus improving as it goes down and giving fresh proofs of the increased probability of its permanence. The make of bullion to date amounts to \$669,000. The Eureh papers comment on the satisfactory adjustment of the fuel difficulty. Charcoal appears to be in abundance, and the price is find at 30 cents per bushel. As showing the success attending come. ficulty. Charcon appears to be in administred, and the price is used at 30 ents per bushel. As showing the success attending some of the other Nevada mines, it may be mentioned that the Crom Point Mine, one of the most successful upon the Comstock load. has produced during the last twelve months to the value of \$7,433,715, the total disbursements during the same period having been \$8,816,464, including dividends to the amount of \$5,200,00 The quantity of ore raised was in excess of that returned during an The quantity of ore raised was in excess of that returned during ay preceding year, having been 140,128 tons, of an average yield of \$50.96 per ton. Since the mine was first opened up it has paid in dividends no less than \$12,670,000 (equal in round numbers to 2,500,000l.), and of this amount about \$10,000,000 (or 2,000,000l) has been paid during the last three years. The record of the flown Point and Belcher Mines in this particular is without a parallel in the world's mining history, and the development in these and other mines in the past year or two have changed the whole theory of mining previously entertained.

Eberhardt and Aurora 44 to 44: the meeting held on meeting

Eberhardt and Aurora,  $4\frac{1}{4}$  to  $4\frac{1}{2}$ ; the meeting, held on Tuesdy, and reported elsewhere, has been adjourned for three weeks, by which time the shareholders will have been placed in possession a detailed report from the mines, and also the accounts made up to June. The mine is believed to be yielding fair profits, the strage grade of ore being satisfactory. The discussion turned mainly upon the question as to whether there is a want of harmony between the board and the manager at the mines; the Chairman disclaims the existence of any discussion whatever, at least as far as the board ways covered to the other hand it was contempted by Mr. were concerned, but on the other hand it was contended by M. Applegarth, one of the vendors, and partner of Capt. Drake the manager, that the discussion had retarded the successful progress the mine, and this statement was supported by a quotation from letter addressed to Mr. Applegarth, in which Capt. Drake state that if Mr. Applegarth went upon the board he would at least have one friend there. A poll was demanded upon the question of significant, but it was ruled that an adjournment could only is decided by a show of hands, and that proxies could not vote. In the Supplement to this day's Journal appears some additional information from the mines.

on from the mines.

Flagstaff shares remain stationary pending the final necessary legal formalities in connection with the arrangement between the Flagstaff shares remain stationary pending the final necessary legal formalities in connection with the arrangement between the vendor and the company; these are in satisfactory progress, and the result may be expected to be announced in the course of a few days. Emma shares are nominally quoted at 1½ to 1½, but without business. Last Chance, 1½ to 1½; Tecoma, ½ to ½. A special meeting of the Ruby Consolidated Company has been held, at which Sir George Bowyer (the Chairman), Mr. Delapierre, and Mr. Hartman resigned their seats as directors. Utah, ½ to ½; the last advices received from the mine are not very encouraging. The ore-shed is full of ore, but the manager is not able to find a purchaser, though he expects an offer from a Chicago firm for the whole amount of orderessed in a few days. The mine continues in the same state as last reported. New Pacific, ½ to ½; the superintendent writes that the 300 ft. level west is in 219 ft., producing a small quantity of very fine ore. Assays of 8 tons of ore taken down from the North Star ledge, 700 ft. west of shaft, realised \$117 per ton. Good ore is being taken 600 ft. on the same ledge. The level east of cross-cut lost promising, and small pieces of very rich ore are being met with.

Colorado Terrible, 3½ to 3½; the first results of the concentration by water performed by the Kimber's jiggers now in operation at this mine are to hand. Ore run up to July 31,540 tons, producing 75 tons of pure and marketable mineral: average assay, 175 ors, value, 364, per ton. This return is most satisfactory, and is far mon than was expected. The value of the large stock of third class (4000 tons) is thus ascertained, and may be stated as follows:—fire shipments to Liverpool are advised, one of which has arrived, and

(4000 tons) is thus ascertained, and may be stated as follows:—Fin shipments to Liverpool are advised, one of which has arrived, and been sold at 118%, per ton. As soon as these all arrive and are sold the shareholders may look for unother dividend.

the shareholders may look for another dividend.

Malpaso, 12s. to 14s.; there has been a considerable demand for these shares during the past week; letters were received yesterly advising a clean up of \$1520, after a run of 33 days, with a average head of 280 in. of water. The superintendent reports that they are just through the old tailings and into the main banks, and "that nearly the whole face is good pay dirt." Malabar, 14s. to 16s, and in demand; the superintendent reports, under date of July 19, that washing in earnest would be commenced on the following day. The usual report will be found in another column. Rica; but little work is being done here pending the surveys which are now being made for a new water supply. Blue Tent, 5 to 5½; it will be seen by the superintendent's letter in another column that the United States patent has been secured to the greater part of the company. by the superintendent's letter in another column that the United States patent has been secured to the greater part of the company property, and for the balance it will issue in due course. There has been another clean up of six days run in South Yuba claim—result \$3000—this is considered very satisfactory as an earnest of whis may be expected when the pit is thoroughly opened, and the interruptions occasioned by the old powder blast overcome; these unforeseen interruptions are fully explained in the letter. The chairman, Mr. Courtenay, has been on the ground since the 15th instand a telegram has been received from him expressing his periest satisfaction with the property and its prospects. Cedar Creek, little 12th instand 15th instand

pany have coal for a per ton. vidend ware being haven In 8-16ths to Some of dividend now 26 to the co works so have been

> The I ubscrip shares, a gage de The pro mining quality, most import Glasgo of Glasgo of Ilmeste in matter in

gressing rapidly, and the superintendent hopes to finish a run through it by Sept. 1, and anticipates good results. Sweetland, 3½ to 4½; the latest advices state that everything is progressing much as usual. The new tunnel rock has somewhat improved, and the tunnel in 513 feet past the shaft. Independence Gold, 2½ to 2½; the gold produce during July weighed after melting was 493 ozs., which produced \$6744.

though 14-07 cock has somewhat improved, and the tunnel usal. The new tunnel rock has somewhat improved, and the tunnel usal. The new tunnel rock has somewhat improved, and the tunnel usal. Side the past the shaft. Independence Gold, 2½ to 2½; the gold 1513 feet past the shaft. Independence Gold, 2½ to 2½; the gold 1513 feet past the shaft. Independence Gold, 2½ to 250 zes, which polded the gold of shaft past of the gold o

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San Fedro, & to &; recoma, & to &; to Mai, & to &; United Mexican, 3% to 3%; Independence, 2% to 2%.

Collieries and Iron Companies.—The markets have been buoyant, and Thorp's Gawber, Bilson and Crump, Cardiff and Swansea, and Welsh Freehold are all better. Last month 29,647 tons of iron, principally rails, were exported from South Wales, Cardiff clearing 16,885 tons, Newport 10,065 tons, and Swansea 2697 tons. The exports of coal were as follows:—Cardiff, 235,570 tons, as against 220,279 tons in the corresponding month of last year; Newport, 25,669 tons, against 220,790 tons; and Llanelly, 10,112 tons, against 2696 tons, These figures are decidedly encouraging, and point to an important recovery in business. The report of Samuel Fox and Co. (Limited) has been issued; the directors recommend a dividend at the rate of 10 per cent., which absorbs 07,653;; the sum of 36,600; is paid for goodwill, while over 43,000; is set side as balance of purchase money, carrying forward the sum of 7656; to next year's account. The meeting of the Four-Mill Colliery is called for September I. Marry and Cuninghame, 3% to 3%; the report was unanimously adopted at the meeting, which was afterwards made extraordinary, to carry out certain; arrangements with the vendors, the general purport of which are—That in cons deration of the surrender of 150,000. In fully paid-up shares the company release the vendors form their guarantee for 10 years. Other concessions are also agreed to by the readors. As yet this company has by no means satisfied the enterprising, who langered so much for the shares immediately following the notoriously ingenious illotment. Sheffield Forge Rolling, Mills, par to I prem. 66, paid); the report just insed announces that after providing for all fees, and other incidental charges, the accounts show a profit of 45771. 14s. 4d., which, with the undivided profit of 5000, 9s., leaves, after deducting 2831/1s. 1d. on account of interest and mortgages, the sum of 3816, 2s. 3d. for disposal. The directors recommend a di COLLIBRIES AND IRON COMPANIES.—The markets have been buoy

have Iron, 2% to 3½; West Cumberland Steel, 6% to 5% dis.; Nerbudda Coal, 18ths to 1-16th dis.

Some enquiry has again prevailed for the shares of Henry Briggs and Co. The dividend at the rate of 20 per cent. was paid on Wednesday, and the shares are now 26 to 27, ex div. This company maintains three farms as a necessary adjunct the collieries, which are a valuable source of profit. From the Loscoe Brickworks some 3,600,000 tons of bricks have been turned out during the year. These chiefly required for the colliery works, although the whole might have been sold at remunerative prices. The company's gigantic operations on a moundain of limestone near Clitherto attract great local attention. Rhymney Iron, 39 to 41; at the meeting this week a dividend of 11. los. on the 50th shares and 99. on the 16th shares was declared, payable on Sept. 12 next, free of income tax. No dittle constantion was caused among the Blochairn shareholders at the early part of the week that the liquidators, whose appointment was confirmed on Friday last, have resolved to call up the balance of 15th unpaid on the 50th shares. This office that the liquidators, has one to grief from the same causes that lent such that was financed by the Messrs. Chadwicks, Adamson, and Collier, of Manchester and London, has come to grief from the same causes that lent such the rendors. Onlillington Iron. 5½ to 6; Ebbw Yale, 7 to 6 dis.; Ifton Rhyn, 10s. 18th; Iydney and Wigpool Iron, 2½ to 1½ dis.; Nanty-Gio and Blaina have few Bharlstone, 7 to 6 dis.; Glaisdale Quarry, 21s. to 23s.; South Cleveland, 10½ elymaned to 41, 44, on a vague feeling that something will be got out of the vendor. The Denton Colliery Company announce a dividend of 10 per cent. on the preferential shares of Wayne's Merthy Steam Coal will be paid, and the books closed. The Denton Colliery Company announce a dividend of 10 per cent. on the preferential shares of Wayne's Merthy Steam Coal will be paid, and the books closed. The Denton Colliery Company announce a dividend of 10 per cent. o

if 3000 gallons of crude oil per day be produced, and if 1000 gallons of crude oil yield 550 gallons of burning oil saleable at 28., and 220 gallons of heavy oil saleable at 18. per gallon, and these prices are only about 20 per cent. higher than the present summer prices to retail consumers, the profit would be 42,570. Per annum, from which must be deducted transport to Grottomare, salaries, taxes, &c., also some heavy oil used as fuel. He makes certain suggestions for putting the property in order, and in conclusion stakes that he can without hesitation say that he believes "there are no companies at present organised that possess such rich stores of valuable material whose excavation and treatment are more simple, whose yield so large, and whose hopes of speedy and profitable returns are more surely to be realised."

so large, and whose hopes of speedy and profitable returns are more surely to be realised."

In our advertising columns will be found a prospectus of the NORTH PRINCE PATRICK LEAD MINING COMPANY (Limited), which has been formed to acquire and work the North Prince Patrick Lead Mine. It is situated in the parishes of Ysceiflog and Holywell, in the county of Flint, and is surrounded by mines, many of which are paying at the present time enormous dividends. Amongst them may be mentioned the Prince Patrick Mine, immediately adjoining the North Prince Patrick Mine, which has returned 35 per cent. of its original capital in dividends; the one declared in July last was at the rate of 20 per cent. per annum, and a considerable balance was carried forward. The lodes of the Prince Patrick Mine traverse the North Prince Patrick sett, which, in addition, has several large and masterly cross lodes. The property, 70 acres in extent, is held on an agreement for a lease from the Duke of Westminster for 21 years. It has been inspected by several eminent mining authorities, whose reports speak most highly both of the future capabilities of the mine and the value of the present discoveries. Very little appears to be necessary to put the mine into a dividend state, and as the entire purchase-money is taken by the vendors in shares of the company all the subscribed capital by the public will be devoted to the purposes of the mine. In conclusion, the whole character in mines would do well to make early application for the shares, as, we understand, a large portion of the capital has been already subscribed. The capital is 20,000%, in shares of 1/c each. The persent issue is limited to 15,000 shares, which has been considered amply sufficient to put the mine into a dividend state.

EXPORTS OF COAL.—By the Monthly Circular of Messrs. Higgin-EXPORTS OF COAL.—By the Monthly Circular of Messrs. Higginson, of Liverpool, we learn that the quantity of coal exported in July was 1,293,873 tons, against 1,063,617 tons in the corresponding month of 1873, showing a increase of 225,256 tons. The particulars are—From the Northern Ports, 664,170 tons; Yorkshire, 85,459 tons; London, 12,339 tons; Liverpool, 63,312 tons; Severn Ports, 320,832 tons; and Scotch Ports, 147,761 tons. The increase was—Northern Ports,139,931 tons; Yorkshire, 24,199 tons; London,2155 tons; Liverpool, 17,421 tons; Severn Ports, 8487 tons; and Scotch Ports, 33,063 tons. Total exports, January to July inclusive, 6,934,549 tons; corresponding period last year, 6,623,074 tons: increase, 311,475 tons.

THE EL DORADO OF AMERICA.—Visions of a new El Dorado are causing some flutter in the United States. Correspondents with the expedition through the Black Hills, which lie to the east of the Rocky Mountains, in the south-western portion of the Dakota, telegraph:—"Since the command entered the Black Hills we have been prospecting in a continuous line the most beautiful tract of land man ever looked upon. Here in 'Custer Valley' rich gold and silver mines have been discovered, with both placer and quartz diggings, and this immense section bids fair to become the future El Dorado of America." of America.

DIAMOND DRILLS .- Mr. C. A. TERRY, of St. George's-road, South-DIAMOND DRILLS.—Mr. C. A. TERRY, of St. George's-road, South-wark, engineer, has invented an improved method of setting diamonds in drills and other boring and cutting tools, which consists in providing the drill or other tool with a cap, in one piece or several sections, said cap following exactly the form of the drill or other tool; the holes for the reception of the diamonds are made in this cap, tapering from its inner to its outer surface, so that when the diamonds are placed in these holes with their greater diameters in the inner slde of the cap, and the cap is serewed or otherwise fixed on the body of the drill or tool, they cannot possibly fall out unless the diamond or tool be actually broken, and in such case can be replaced by a diamond of the same size, instead of necessarily by a larger one, as required in case of ordinary setting.

Dith,—At Ladbroke Grove-road, North Kensington, on August 27, in his 80th year, Mr. James Crofts, whose name has been constantly before the readers of the Mining Journal during the past 30 years, and who was certainly one of the oldest surviving members of the London Mine Share Market, by the members of which he was universally and deservedly respected. For some time past the business has been successfully carried on by his son, Mr. James H. Crofts, by whom it will be continued.

\*\*\* A great pressure on our space has compelled us to postpone the publication of several matters which were intended for this week's Journal, Among them are—a paper by Prof. White on Richards' Patent Amalgamator and Concentrator—The Relation between English Corporations and American Mines—Mining in California: the Great Blue Lead—Coal-Cutting Machinery (W. H. J. Traice), No. III., &c., &c.

LEAD ORES.

Date.	Min	28.	Ton	9. 1	rice	per	to	n.	Purc	insers.	
July 26	-Great	West Van	100		£12	1	0		Nevill.	Druce, and	I Co.
Aug. 22	-Frank	Mills	45	*******	15		6	******		ditto	
	- ditte		25		12	12	6	****		ditto	
	-Tanke	rville	80	*******	13	12	6		Panthe	r Lead Con	npany
25	-Green	Hurth	100	*******	12	15				Lead Con	
26	- Grogy	inion	40	******	12	13				Parker, a	
	-Bog		60		13	6			G. Burr		
	-Penne	rley	80	****** **	13	5	0		Sheldon	, Bush, an	d Co.
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COPPER ORES. CHARLES SIDNEY GOVER, Deceased.

CHARLES SIDNEY GOVER, Deceased.

PURSUANT TO THE ACT OF PARLIAMENT of the 22nd and 23rd Victoria, cap. 35, initialed "An Act to further amend the Law of Property and to Relieve Trustees," Notice is hereby given, that ALL GREDITORS and other persons having any CLAIMS or DEMANDS upon or against the ESTATE of CHARLES SIDNEY GOVER, formerly of the City of London Club, Old Broad-street, in the City of London, and of No. 13, Bloomsbury-street, Bedford square, in the county of Middlesex, afterwards of No. 29, Charlotte-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Oxford-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Oxford-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Oxford-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Oxford-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Oxford-street, Bedford-square aforesaid, but late of No. 18, Great Portland-street, Portland-street, 1874, and whose will and codicils thereto were proved on the 29th day of April, 1874, in the Principal Registry of Her Majestry's Court of Probate, by Frederick William Smith and Speucer Robert Lewin, Esquires, the executors therein named) are hereby RegOIRED, on or before the last day of November, 1874, to SEND to Messieurs Lewin and Co., of No. 32, Southampton-street, Strand, London, the solicitors for the said executors the PARTICULARS in writing of their respective CLAIMS or DEMANDS against the said extate, and that at the expiration of such CLAIMS or DEMANDS against the said executors the FARTCU LARS in writing of their respective CLAIMS or DEMANDS against the said extate, and that at the expiration of such time the executors will PROCEED to DISTRIBUTE the ASSETS of the said testator among the parties entitled thereto, having regard to the claims and demands only of which they shall then have had notice, and the said executors will not be liable for any debt or claim of which they shall not then have had notice.

LEWIN AND CO., 32, Southampton-street, Strand, London, W.C.

Dated the 1st day of August, 1274.

In Chancery.

and the books closed. The Denton Colliery Company announce a dividend of 10 per cent, making 20 per cent. for the year.

The International Company, organised last year by private subscription, and which has already issued 40,000% of preference shares, are inviting subscriptions for 400 eight per cent. first mort-page debentures, convertible into 15 per cent. first mort-page debentures, convertible and Liquidators, are, by their solicitors, to company an extended to perfect the 36th and 1800 for first mort-page debentures of the 400 for first mort-page debentures, convertible into 15 per cent. first mort-page debentures, convertible into 15 per ce IN the MATTER of the COMPANIES ACTS, 1862 and 1867, and

ORES, &c.

I BUY at the highest priors:— LEAD ORES.—LEAD-SILVER ORES.—SILVER-LEAD ORES. SILVER-LEAD.—HARD LEAD.—ANTIMONIAL LEAD. GOLD AND SILVER ORES. ZINC AND LEAD ORES MIXED TOGETHER.

Particulars by letter. ARMAND FALLIZE, Ingénieur, à Liége (Belgium)

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Persons interested in such business are invited to address themselves to Mr.

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MANUFACTURER OF ORE-CONCENTRATION MACHINERY,
PATENTEE OF CAZIN'S AUTOMATIC CONTINUOUS ONE-PLUNGER JIG
Offers his services for making Plans and Contracts for Ore Concentration and Smitely Works, for EXPERTISING, SURVEYING and REPORTING concerning
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of COLORADO and NEW MEXICO; also as Agent for the Sale of GENERAL
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AND SPECIAL MACHINERI.

No. 243, SIXTEENTH STREET (Lock box 2225), DENVER, COLORADO.

References: International Bank, St. Louis, Mo.—Messre. Collins, Snider, and Co.

Bankers, Denver, Colorado.

SALT LAKE CITY, UTAH TERRITORY, U.S. AMERICA.

WILLIAM BREDEMEYER. MINING AND CONSULTING ENGINEER, U.S. MINERAL SURVEYOR.

Particular attention paid to Underground Surveys OFFICE,-KIMBALL BLOCK, SALT LAKE CITY.

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ANTIMONIAL or HARD LEAD, LEAD MATTE, LEAD SLAGS, LEAD ASHES, SULPHATE OF LEAD, COPPER SLAGS, COPPER REGULUS or MATTE, TIN ASHES, and TIN SCRUFF.
MIXED METALS and DROSS, containing LEAD, COPPER, TIN, or

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#### TYNE CAST MALLEABLE IRON COMPANY, WORKS: TEAMS, GATESHEAD;

LONDON OFFICES: CHANDOS CHAMBERS, ADELPHI, W.C. MANUFACTURERS OF ALL DESCRIPTIONS OF

MALLEABLE IRON CASTINGS, delivered in London, carriage free.

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WANTED, an EXPERIENCED ENGLISH FOREMAN, perfectly acquainted with the ABOVE-NAMED MANUFACTURE. For further particulars, apply to "C. S.," 37, Finsbury-square, E.C.

WANTED, by the STEEL COMPANY OF SCOTLAND (LIMITED), a Gentleman QUALIFIED to FILL the FOSITION of GENERAL COMMERCIAL MANAGER. One having previous experience in connection with the Steel Rail or Iron Trade will be preferred. No one need apply but whose character and qualifications will bear the strictest investigation. Applications, in writing only, stating previous experience, to be addressed to "Commercial Manager," at the office of the company, 115, St. Vincent-street Glasgow.

WANTED, a CERTIFICATED MANAGER at a LARGH COLLIERY, BOAR SHEFFIELD.

Apply to Mr. THOMAS W. JEFFCOCK, Bank-street, Sheffield.

WANTED, a SITUATION, by a Person who is practically acquainted with the AMALCAMATION of FREE GOLD and ORES containing sulphurets, the ASSAYING of GOLD, SILVER, ANTIMONIAL SILVER, TIN and LEAD ORES. Is an experienced Tin Smelter, and has had some experience in Smelting Lend and Antimonial Silver Ores in the Sierra Navada Mountains. No objection to go abroad to any healthy country on remunerative

Apply to "Amalgamator," Marazion, Cornwall.

WANTED, in an ENGINEER'S OFFICE, a COMPETENT UNDERGROUND SURVEYOR Must be a good draughtsman.

Apply to Wadham, Turner, and Co., Civil and Mining Engineers, Whitehaven

WANTED, immediately, a PORTABLE ENGINE, of about 20-horse power, for SINKING, with drums and gearing complete, either new or secondhand, in good condition.

Address, H. Stair, 2, Alfred-street, Neath, Glamorgan,

TO BE SOLD, a COLLIERY, now at work and raising good House, Gas, and Steam Coal, situated on the Great Western Railway, and in the neighbourhood of WREXHAM.

For particulars, apply to "Colliery," Post Office, Chester.

TO BE SOLD, cheap, FIVE NEW TRACTION WAGONS (Fowler's patent); also a SECOND-HAND FOWLER'S 8-horse power ENGINE.

THOMAS MCKENZIE AND SONS (LIMITED), 34, Dawson-street, Dublin.

E NGINE FOR SALE.—A 22-horse power ENGINE TO BE SOLD for £100, suitable for Mining Purposes or Saw Mill, &c.
Apply to Mr. T. Palmer, Long's Wharf, Charlton, Kent.

FOR SALE,—About TWO HUNDRED TONS of WELL-WASHED UMBER.
For particulars apply to "H. B. W. G.," Post Office, Bangor, North Wales.

THE CO-OPERATION OF CAPITALISTS IS REQUIRED FOR WORKING A SILVER-LEAD MINE, of more than ordinary promise. Lodes masterly, well defined, and very rich for silver-lead, and water-power and other facilities for cheap working. Several tons of ore already on the floors, and a small capital only wanted to ensure success. This is a thoroughly legetimate enterprise, and inspection is invited. Apply, by letter, to "Cornish," MINING JOURNAL Office, 26, Fleet-street, E.C.

MESSES. CAMERON AND CO., FINANCIAL AGENT AND SHARE BROKERS, BRIDGE STREET CHAMBERS, CHESTER.

WHEAL NORTHWOOD.—This mine was offered by public auction, on Aug. 21, as a going concern, and sold to Capt. T. Trevillion, of Herodsfoot, for 1005. It is likely the mine will be started by a new company.

CATHEDRAL.—The lode at the main shaft is still as productive as ever, and it is the opinion of very competent authorities that the parish of owenings is about to produce another prize. Some fine rocks of copper have been sent to London this week.

WEST ESGAIR LLE.—There is no particular alteration in the underground operations. The stopes are yielding their usual quantity of ore, and dressing is going on regularly.

dressing is going on regularly.

IMPROVED CUPOLA.—In those furnaces or cupolas having receivers or chambers into which the metal runs as it is melted the flame and heat pass at present from the receivers through a pipe or flue to the atmosphere. The invention of Messrs HAIGH and BLKASHY, of Oldham, consists in dispensing with the pipe leading to the atmosphere, and fixing to the receiver near the cupola or furnace one or more vertical taper pipes, to which are fixed one or more horizontal or inclined pipes leading to the interior of the cupola or furnace into the coke above the tuyeres, by which means the heat, which was before lost, assists to a great extent in melting the metal, and at the same time the interior of the cupola is kept cleaner, and the nuisance which at present arises from the escape of the heat through the pipe open to the atmosphere is entirely prevented, as by this invention the heat is returned into the interior of the cupola or furnace.

UTILISING REFUSE LIME FROM GASWORKS.—Mr. G. H. FORBES, UTILISING MEFUSE LIME FROM GASWORKS.—Mr. G. H. FORE Clerk in Orders, Rector of Broughton, Northampton, proposes to combine the lime of gasworks, or its equivalent, with coke, with or without hituminous substance, and with or without hydrocarbon spirit. The compound is burnt in a grate or stove, and when sufficiently burn reduced to powder for use as cement or plaster or artificial stone. He also prop to form a compound of the foul or refuse lime of gasworks or its equivalent coke, oal, or cinders, with or without bituminous substance, oil, and veget matter, and to combine the materials in such a manner that the compound maused as fuel in any stove or furnace.

#### Notices to Correspondents.

\* Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

Public Companies Law—The Commandiff System—"Nemo" (Lombard-street).—Your enquiry cannot be answered here, but the whole of the clauses of the Sleeping Partners Act, and some remarks upon it, will be published in next week's Journal.

ef the Siesping Partners Act, and some Temats appears, where Yourness are made well as the property of the Siesping Partners Act, and the Control of the Signalling in mines. Ordinary composition lead piping could be used in the shaft, and the cost would be very small. We should think a pair of instruments and tubes would be under 10t. for the depth of 220 yards; a dozen or twenty ordinary signals could be placed on the dial without at all interfering with the sending of letter signals for spelling an unusual message. Messrs. Guattari and Co., of Queen Victoriastreet, are the inventors of the system recently noticed in the Mining Journal, and they would, doubtlesss, furnish all necessary information.

BRITTANY MINES—"Correspondent."—We learn that Mr. David Forbes, F.R.S., did report upon several silver-lead mines in Brittany a few years since, but he is not aware that the report was ever published. The enquiry would have been answered before but for Mr. Forbes's absence in Spain. The most business-like method of procedure would be to make arrangements with him to supply another report, which would, of course, require the sanction of the parties for whom it was made if it be proposed to introduce the mines on the London market. We do not think any company was formed.

TECHNICAL EDUCATION—" H. F." (Redruth).—A young man of 17 or 18 years old

do not think any company was formed.

TECHNICAL EDUCATION—"H. F." (Redruth).—A young man of 17 or 18 years old could probably obtain board and loriging within reach of the College of Science, Dublin, for 40. per year, and the fees are 10. per year. The Associateship of the Royal College of Science, Dublin, would certainly rank higher than the B. So. of Londos. We do not know what is done in the way of technical education in the Queen's Colleges of Ireland; but we think they are not empowered to grant corresponding degrees to those held in another University, nor to permit terms kept elsewhere to count. The Queen's Colleges do not seem to be properly appreciated, though they appear to be thoroughly liberal in all their arrangements, and many of the professors are of the highest rank in point of scholarship.

scholarship.

THE SUPPLEMENTARY SHEET.—We have received occasional complaints, and of late a good many, that the Journai is delivered by country booksellers without the Supplement. Subscribers would oblige us by demanding that the paper should be handed to them complete, as every Journal is accompanied by the Bupplement when it leaves our office, and the fault of omission must rest with the country bookseller or their London agent.

Received,—"H. 8."—"G. M. "-"J. B." (San Francisco)—"W. D. B." (New York)
"San Francisco"—"Shareholder" (Cwm Elan)—"R. W."—"F. G. 8."—
"M. N."-"Shareholder" (Bangor)—"Patentee:"(Wigan) We shall be glad to receive the particulars—"O. G."

### THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, AUGUST 29, 1874.

THE RHYMNEY IRON COMPANY—THE DIFFICULTIES OF THE IRON TRADE.

THE IRON COMPANI—THE DIFFICULTIES OF
THE IRON TRADE.

It is a good many years ago since HUDIBBAS remarked in his
homely vernacular upon the "difficulties which do environ the man
who meddles with cold iron;" but those difficuties cannot be said
to have disappeared, but have, on the contrary, acquired a little
extra force this year. They are very fairly and accurately represented and depicted in the annual report from the directors of the
Rhymney Iron Company (Limited), which has just been presented
to the shareholders in that undertaking. Thus the directors deem
it advisable to restrict the dividend for the year ending June 30,
1874, to 7 per cent. per annum, although the profit realised in one
way or other for the 12 months amounted to 61,9414, while the
quantity of iron manufactured by the company was carried in
1873-4 to 54,881 tons, against 41,402 tons in 1872-3. The operations
of the company's works have been unfavourably affected during
the last 12 months by differences with the workmen, and especially
by a scarcity of hands in the forges, some of the men not having
returned to work since the great strike of 1873. The production of
finished iron in the mills could not, therefore, be brought up to its
full amount, even with the assistance of purchased iron, of which
a considerable quantity was used to enable the company to fulfil
its engagements. It should also be noticed that the rates current
for labour during the past 12 months were the highest recorded in
the annals of the iron trade, while the cost of foreign or purchased
ores was equally disadvantageous. Thus the advance in wages
during the past two years was not less than 70 per cent, and at
present a reduction of only 10 per cent, has been made from this
advance, even this comparatively small reduction only taking effect
as from May 31, 1874. The price of iron ores was also higher last
year than in any former period, and the continuance of the Carlist
war in Spain prevented any relief through increased exports of ores was from May 31, 1874. The price of from ores was also higher last year than in any former period, and the continuance of the Carlist war in Spain prevented any relief through increased exports of ores from that country. The price of purchased iron ore is to the Welsh ironmaster one of the most important elements in the cost of iron; and when he has also to deal with high rates for labour in the manufacture of iron the Welsh ironmaster cannot but be placed at a grant disadvantage as compared with the producer of iron in other

nuracture of fron the weish fronmaster cannot but be placed at a great disadvantage as compared with the producer of iron in other districts, not only of England but also of foreign countries.

The circumstances already enumerated were not the only difficulties with which the Rhymney Iron Company had to deal last year. Not only was the cost of producing iron increased in 1873-4, but the demand for the manufactured article when produced also fell off last year. About three-fourths of the reliway iron produced demand for the manufactured article when produced also fell off last year. About three-fourths of the railway iron produced annually in England is exported, and the continuance of this external demand is governed by the ability to obtain the capital required for the construction of railways in foreign countries. A reaction in the iron trade naturally occurs from a suspension of railway construction abroad, and it is to be feared that just now the demand for English iron was further reduced by the fact that compared with the late high prices iron can now be obtained by foreign countries at less cost from other sources. The iron trade in this country has, in fact, been brought into this position, while the cost of iron has, in fact, been brought into this position, while the cost of iron has from exceptional circumstances been raised to an unprecedented level, the requirements of foreign countries upon which the trade naminly depends are either restricted by their inability to find capital for railway undertakings, or by the fact that supplies of iron can be obtained at equal or less cost from native works, or other cheaper sources of production.

sources of production.

This may, perhaps, be rather a strong way of putting the matter, or, as the Americans would term it, "Piling up the agony." Still, the facts summarised are deserving of the serious consideration of all connected with the iron trade, whether employers or employed. The employer must, of course, take care that his profit is not annihilated; the employed must be careful that he does not annihilate that profit, and so destroy his own chance of securing remuneration. destroy his own chance of securing for his industry.

MINERS' ASSOCIATION OF CORNWALL AND DEVON .- The annual meeting at Falmouth, on Wednesday (Mr. W. C. Pendarves in the chair), was an unusually interesting one, owing to the practical character of the papers read, and the satisfactory progress reported, notwithstanding the depressed condition of mining. Mr. J. H. Collins suggested (as will be seen from the report of the proceedings published in the Supplement to this day's Journal) the creation of a lished in the Supplement to this day's Journal) the creation of a fund, supported chiefly by annual contributions, to meet the grant of 25t, offered by the Science and Art Department for the maintenance of a student at some school of science. Mr. P. Le Neve Foster, jun., contributed a paper on Coal Mining in Italy, which he thinks would become a most profitable undertaking, with proper care, in the hands of English capitalists. The paper by Mr. F. G. King on the "Separation of Ores by Magnetic Power," which has been awarded the Mining Journal special prize by the Polytechnic Society, describes a very plausible method of dealing with certain ores for which no system of washing is thoroughly effective. The ores are roasted at a cost of 3s. or 4s. per ton to remove a certain portion of carbonic acid or sulphur, as the case may be, leaving the iron in a magnetic condition. The mixed ore, blends or copper with iron, is fed through a hopper on to a metallic band passing round a magnetic

netised wheel. The blende or copper falls first, and the iron is car-ried forward in the band until contact is broken, when it falls into a separate shute. Blende ores hitherto unsaleable can, it is said, be brought to a value of 3l. to 4l. per ton. The practical value of the machine is to be tested. An excellent paper, "Something about a separate shute. Blende ores hitherto unsaleable can, it is said, be brought to a value of 3l. to 4l. per ton. The practical value of the machine is to be tested. An excellent paper, "Something about Colorado, its Mines, and Minerals," was contributed by Mr. Ernest Le Neve Foster; and Mr. Kitto, the lecturer and assistant secretary, read "Notes on Some Beds of Sand and Clay in St. Agnes." The council have awarded the usual Mining Journal prizes for the year to William Rich for chemistry, W. L. Chigwidden for mineralogy. John Bennetts for geology, and N. H. Tregoning for mining; and we trust that the exertions which have secured the several students the awards will be continued by them, and that this will be but the the awards will be continued by them, and that this will be but the first of a long series of successes which each may achieve.

#### NEW MOTIVE POWER-THE CARBOLEUM ENGINE.

Much interest has recently been created in Holland by the publication in Prof. Huisinga's Journal of an article descriptive of Dr. Beins' Carboleum Motor, which promises to be "the successor of steam." It appears that for many years Dr. H. Beins, of Groningen, assisted by his brother, Mr. J. F. Beins, manager of the Netherlands Soda Factory at Amsterdam, have been engaged in experiments with a view of transforming heat into mechanical power more advantageously than is done in the steam and other engines at present vantageously than is done in the steam and other engines at present in use. In one of these experiments they sought to find what degree of tension the carbonic acid given off by bicarbonate of soda would have, and were surprised and pleased to find that this sodium salt (or the corresponding potassium salt) in a dry pulverised state, or in an aqueous solution, when heated in a closed place gives off a portion of the carbonic acid, which is condensed at the cold end of the space, so that a temperature of 300 to 400 C. liquid carbonic acid can be distilled out with a tension of 50 or 60 atmospheres. Dr. Beins has shown the experiment to several scientific men in Holland, who have taken the greatest interest in the matter. The compressed who have taken the greatest interest in the matter. The compressed state of the gas is a condition of great importance for its application in technical chemistry, and Dr. Beins has found that the liquid acid which he calls carboleum supplies an excellent motive power under certain circumstances. He explains that it is only when a carboleum engine works with great intermission that the heat of evaporation required can be taken from the sides of the reservoir without artificial heating. In the majority of cases, however, the carboleum must be evaporated by the artificial heating of small quantities at a time. The heat required per horse-power hourly (270,000 kgrmtr.) amounts at least to 640 calories (0·1 kilo. coal).

For marine purposes Dr. Beins considers the new motor especially valuable; he remarks that as regards the use of carboleum engines for ships, the weight of such an engine—for instance, of 100-horse power and combustible stores for 240 hours—may be calculated to be one-fifth less than the weight of a steam-engine of the same power. And as many parts of the carboleum engine must be more massive, it will require less space. Since the working of a carboleum engine without regeneration depends on a neighbouring carboleum engine without regeneration depends on a neighbouring carboleum who have taken the greatest interest in the matter. The compresse

engine without regeneration depends on a neighbouring carboleum manufactory, generally the engines with regeneration are to be pre-ferred for small factories as well as for great ones. Cheap carbonic acid is, therefore, no essential condition for the applicability of his method for the production of motive power. Carboleum is without danger, since it does not contain any cause of explosion and, moreover, it is for various reasons preferable to use reservoirs consisting of smaller compartments. A too abundant accumulation of the gas in the engine-rooms, so that it renders the air irrespirable, can easily be prevented. When water is not present the metallic parts of the engine remain unaltered by the carbonic acid. Dr. Beins experimentally found that a carboleum engine is easily constructed. Tap mentally found that a carboleum engine is easily constructed. Taps and joints can be made to answer perfectly. A year ago he filled a tube of hammered copper with carbonic acid of 50 atmospheres, and not the least loss is as yet observed. Wrought metals are, therefore, not permeable for gases of that tension. Perhaps the phenomena of porpermeane for gases of that tension. Fernaps the phenomena of por-osity belonging to the common air-pump experiments are partly caused by the surface condensation. When, according to the law of Dulong and Petit, 0.25 is taken as the specific heat of bicarbonate of soda, and common physical laws are considered in connection with it, the plausibility of the claims made for the carboleum engine

it, the plausibility of the claims made for the carboleum engine will be readily admitted.

The carboleum motor is considered equally applicable whether the quantity of power required be large or small, and it is pointed out that, especially for engines working with intermissions and during brief spaces of time, the property of carboleum of being always ready for work is of much importance—for instance, for printing presses, fire-engines, street locomotives, &c. By this same property, and since the mechanical equivalent of electricity is very small, a carboleum engine is a very fit and cheap source of electric light. Such a light would, Dr. Beins considers, be obtainable at a much less cost than the ordinary gas-light. And, considering this great less cost than the ordinary gas-light. And, considering this great advantage, the objection that we do not yet possess good electric lamps for common use loses much of its force. He contends, morelamps for common use loses much of its force. He contends, more-over, that his method of compression furnishes easily the required tension for the conveyance of letters in tubes, and the modern break apparatus for railways. Perhaps the property of carboleum of pos-sessing a power of projection a hundred times cheaper than gun-powder can be made use of. The fact that a carboleum engine with a sufficient store of carboleum is independent of our atmosphere a suncient store or carboleum is independent of our atmosphere makes it, he continues, possible to construct a vessel, provided with means to sink to any depth of the sea, to rise and sink at will, to cruise about under water, and to maintain the life of the crew during that operation, to develope light, &c. The importance of this for scientific discoveries and industrial purposes is evident. For the purposes of war also must such a small and comparatively cheap submarine vessel place a peculiar—nay, a decisive—weight in the

submarine vessel place a peculiar—nay, a decisive—weight in the scale in the question of our modern iron clads.

The invention has been thoroughly examined by an official commission in Holland, and Dr. Beins states that the late Dutch Minister of the Navy has taken great interest in the project for applying the invention for submarine vessels. The commission, it seems, agreed with the inventor wear direct to pair points, but for recognized invention for submarine vessels. The commission, it seems, agreed with the inventor regarding the main points; but for reasons independent of the project itself the Government has not yet resolved upon its immediate adoption. He asserts that freezing machines working by evaporation of carboleum produce ice at less cost than any existing freezing apparatus, and that as regards this general usefulness of carbonic acid it is important to call attention to the fact that an inexhaustible store of carboleum is obtainable from common chalk, which contains carbonic acid equal to half its weight, and can, therefore, produce twice its volumme of carboleum. The and can, therefore, produce twice its volumne of carboleum. The progress made in developing the invention will be duly recorded as opportunity offers.

RE-CARBONISING OF BURNT STEEL,—By a remarkably simple process it has been found that burnt steel—hitherto all but useless so far as reconverting is concerned—can be re-carbonised in a few minutes, and cast-steel welded by heating with the greatest ease, and the quality of good or even inferior steel much improved. It may be said that after steel is burnt and made into any article, its future commercial value for any other purpose is lost, but by means of mineral carbon it can be easily utilised and again made up. This is the system now introduced by Messrs. Jenkins and Co., of the Radford Carbon Works, Nottingham, and which a few days since we had fully explained to us. Mineral carbon is in a shaly or stone of great susceptibility, having a most decided affinity for steel, and when the latter is put to a certain heat and applied to the stone it is readily impressionable, and can then be re-used, for the hot steel forces its way into the stone, and on being again put into the fire it becomes highly carbonised, and can then be welded into any shape required. It is then superior to a great deal of steel, and, like the diamond-drill, it will almost cut anything it comes in contact with
being, in fact, almost a pure carbon, although in what may be
termed a rough state. Steel so touched is well adapted for any description of castings, cutlery, or colliery and engineers' tools, especially where great hardness is required. Steel, on being re-burnt as at present, will fly about in all directions, but by adopting the process we have alluded to with a welding heat a fine quality of metal is produced equal to what the old material was in its original state. The system has been tried in South Yorkshire, and we are glad to find with the most satisfactory and gratifying results, for by mean of the carbon cast-steel has been welded by a welding heat with the greatest ease—a matter of no small importance to all persons canceted with the steel trade of the country, and of which Sheffeld may be said to be the centre.

may be said to be the centre.

CAUTION TO MINE MANAGERS AND AGENTS.—George Henry Hill was charged by Mr. Joseph Dickinson, the Inspector of Mines for East and North Lancashire, on Aug. 19, at the Bacup Petty Session, with having on July 27 neglected to sign, and have reports make and signed, with reference to the state of the ventilation, roof, &c. in the Rock View Colliery, near Shawforth, of which he is manage, as required by the Mines Act. Having pleaded guilty, he was fined in the mitigated penalty of 51, and costs. He was further charged with neglecting to enter in the mine register the names, ages, a sidence, and date of employment of two boys under 16 years of age employed below ground, and was fined for each name 22, 10s, and costs, making a total of 101, and costs. Mr. Charles Holden, Bolton, appeared on behalf of Mr. Dickinson, and gave particulars of the charges against the defendant. He said Mr. Dickinson was at the colliery in consequence of two men being suffocated, when he found that the register was not properly kept. Mr. Hill had promised to keep the books better in future. Mr. Dickinson was not dispose that the register was not properly kept. Mr. Hill had promised keep the books better in future. Mr. Dickinson was not dispose to press the charge rigorously, but, of course, it was important that the books should be kept in a proper manner.

COAL IN GERMANY.—Judging from a statement in a Berlin trade report, there is little probability of an advance in German call prices taking place for some time to come. It appears that the other day the management of the Berlin, Potsdam, and Magdeburg Railway submitted to competition an order for the supply of about 20,000 tons of coal during the first six months of next year. Tenden amounting to upwards of 1,000,000 tons, or considerably more than fifty times the quantity required, were returned at prices which are described as being considerably below even current quotations.

COAL AND IRON IN THE UNITED STATES.—The production of pig in the United States last year was 2,868,278 tons as compared with 2,854,558 tons in 1872. The productive power of the Great Republic in the matter of pig-iron is now estimated at 4,500,000 tons per annum. A contract has been let for the iron required for the American Centennial buildings. The contract has been let to Messa. A. P. Roberts and Co., of the Pencoyd Ironworks, which are situated on the Schuylkill river, near Manayunk, and within a short distance of the Centennial grounds. The anthracite coal movement of Pensylvania to July 25 this year amounted to 10.418,533 tons: this tool. or the centennial grounds. The anthracite coal movement of Pensylvania to July 25 this year amounted to 10,418,533 tons; this total presents a decrease of 558,783 tons as compared with the corresponding period of 1873. The bituminous coal movement of Pennsylvania to July 25 this year amounted to 1,762,719 tons against 1,715,681 tons in the corresponding period of 1873. Foreign steel rails are quoted at New York at \$90 per ton. The advices from Pittsburg and other centres of the American iron trade are hopeful as to the future.

centres of the American iron trade are hopeful as to the future.

COPPER MINES IN SOUTH AUSTRALIA—THE YUDANAMUTANAM BLINMAN MINES.—Although the large amount expended by the shareholders upon these mines may well have disheartened them to some extent, the opinion is almost universal amongst both shareholders and debenture-holders, that the property is a good one; and but for the misapprehension very largely prevailing, that the director who had most confidence in the concern, and who had, therefore, embarked very largely in it, was desirous of acquiring the entire property for himself to the prejudice of his co-shareholders, the winding up of the company would not have been thought of. Howere, the confirmed, and the trustees for the debenture-holders have now been passed and confirmed, and the trustees for the debenture-holders have ordered the property is be sold by auction in a month; so that all that can now be done is for those is crested to co-operate, form a syndicate in the meantime for purchasing the miss, plant, &c., and obtain the property at the sale upon the lowest terms possible, subsequently forming a new company to take it over at (say) 10 per cent. or 30 per cent. advance upon cost, and to provide the requisite working capital. This would remain the remainders and bondholders in the old company priority in the subscription wail enable them to reassume, as they would, no doubt readily do the position of shareholders without present encumbrances and the supposed personal influence it is understood that Mr. Lefeaux is exerting himself to carry out this arrayment, and it may be hoped that both shareholders and debenture-holders will debenture-holders will debenture-holders will debenture-holders will debenture-holders will debenture to the property. The well-known Blimman Mine and 10 surrounding missi sections, comprise 870 acres, and are held on leases, granted by the colonial experience, whose testimony on oath, before a Committee of the House of Asserberty and the contraction of plant as a renow i COPPER MINES IN SOUTH AUSTRALIA—THE YUDANAMUTANA AND

### REPORT FROM CORNWALL.

Aug. 27.—The condition of the tin market continues of a veryencouraging character. It is now abundantly evident that the two reason, as we at the time hinted, of the recent drops in the standard was the fact of the stocks in the hands of the smelters being small. and their desire, if possible, to bring them up by drawing into their hands some of the comparatively large stocks on the mines. This in effect failed, and the result is that although the official rise in the standard last week was only 24., yet within a day or two afteritwa announced purchases were being made, and that readily, at 24. and even 34. above the quoted figures. There is something to complain even 34. above the quoted figures. There is something to compand of in this, not, of course, as regards the rise in the standard, but in the fact that it is not stated at its proper figure. We rarely fail to have full quotations of drops; there is even more reason why we should have full quotations of advances. Outside shareholders have to a certain extent, to look to these points in estimating the value of their property, and they should have all the information possible. The annual exhibition of the Royal Cornwall Polytachnic Society

of their property, and they should have all the information possure. The annual exhibition of the Royal Cornwall Polytechnic Society is being held this week. A detailed account of its contents, so far as they specially affect the mining interest of the county, will be found in another column; but it may here be noted that two of the exhibits are of such high merit that they would quite suffice to redeem the show in the mechanical section from the charge of barreness, were anyone inclined to prefer it. We refer to Mr. Darlington Rock-Borer, and Mr. King's Magnetic Ore Separator. The rock-bore is the simplest ever made, the most portable, the least likely to get out of order, and thoroughly efficient. One great reason of its simplicity is the fact that the attempt to give automatic action the feed gear is abandoned—that is worked by hand by the man who directs the boring operation; and, as there must be such a man, it feed gear is abandoned—that is worked by hand by the man who directs the boring operation; and, as there must be such a man, it will be seen that while there is this gain in simplicity there is no loss in economy. The boring man may as well feed as look on. The magnetic ore separator is based upon the principle that certain one become magnetic when heated, and can then be separated with easily from those that are not so. The system is in operation in the list of Man, and the judges recommend it for the Mining Journal prise of 5l. for the best paper on the adaptation of mining methods in use in other districts to Cornwall and Devon.

The opening remarks of Mr. A. Pendarves Vivian, M.P., the present

The opening remarks of Mr. A. Pendarves Vivian, M.P., the pros-dent of the coal question, were of great importance: he gave coget reasons for holding that the normal price of coal in the future must rule considerably higher than it has in the coat and thus enforce reasons for holding that the normal price of cost in the enformer rule considerably higher than it has in the past, and thus enformer the necessity of stricter economy in its use. His view, and it is the necessity of stricter economy in its use. His view, and it is the necessity of stricter economy in its use. the necessity of stricter economy in its use. His view, the right one, is that not only should the engines keep up that of 90 years ago—the duty of 60,000,000 lbs. per bushelErnes
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odern improvements should enable them to exceed it. It is no

modern improvements should enable them to exceed it. It is notorious how much in this matter we are behind.

The Cornwall and Devon Miners' Association met yesterday under the presidency of Mr. Pendarves, when a satisfactory report of the the scale work done by the society was presented by Mr. Kitto. It scaled work done by the society was presented by Mr. Kitto. It scaled work done by the society was presented by Mr. F.R.S., Dr. Foster, nor the hon. secretary, Mr. J. H. Collins, were able to be present. Two of the most interesting papers were read by two of Dr. Foster's brothers; by Mr. P. Foster "On the Coal of Italy," and by Mr. Ernest Foster "On the Mineral Deposits of Colorado."

The traffic over the system of the Cornwall Minerals Railway is stated to be steadily increasing, though the full effect of the output of the iron mines at Perran has yet to be felt. At these mines which, by the way, are now under North Country management, and are being conducted with the greatest vigour, some important additional discoveries have recently been made. The rates of carriage on the new lines being considerably higher than that on the Cornwall line has been much objected to. But those who have the railways in hand are very good business men. They know that the question is railway against horse carriage—not two competing railways—and that there are important questions of subsidiary advantage beyond cheapening of carriage in more rapid development and the like.

#### TRADE OF THE TYNE AND WEAR.

Aug. 27.—There has been a large number of vessels in the river during the past week, many large ones, both sailing and steamers, and very considerable shipments of all kinds of coal have been made. The demand, however, for steam coal, first and second class, has been The demand, however, for steam coal, first and second class, has been stronger than for other sorts. The demand for house coal continues only moderate, and gas coal is more enquired for, but small coal and manufacturing coal are quite a drug, and stocks continue to accumulate. The coke trade continues to be entirely devoid of spirit, and prices are still drooping. The import trade into the Tyne especially has been on a large scale, heavy quantities of Esparto ore of various linds and timber have been landed. The accommodation at Tyne whis resumption of the constantly increasing trade

has been on a large scale, heavy quantities of Esparto ore of various kinds and timber have been landed. The accommodation at Tyne lock is now quite insufficient for the constantly increasing trade, and a great extension it is expected will be commenced with at an early period by the North-Eastern Railway Company.

A special council meeting of the Durham Miners' Association was held on Saturday, when every lodge of miners in the county was represented, and the question of a proposed reduction of 20 per cent. was fully discussed, and the result unanimously arrived at was that they would not submit to any reduction, and that they could not see any substantial reason for that proposed by the coalmasters. Mr. Craulord was not present at the meeting, owing to illness.

The Iron Trade continues firm, and prices for most descriptions of iron have a rising tendency. At Middlesborough, on Tuesday, there was a brisk enquiry for foundry iron, and prices were stiffer. For No. 3, for which the demand was not so pressing, the general quotation was 69s. per ton. The prices of all kinds of iron are being more equalised. In the finished iron trade there is a good enquiry. Most of the engineering works and foundries, &c., are extremely busy. Messrs. Blair and Co., of Stockton, who have earned a great reputation for the manufacture of compound marine engines, have busy. Messrs. Blair and Co., of Stockton, who have earned a great reputation for the manufacture of compound marine engines, have orders which will keep this large establishment in full swing until the spring of next year.

#### REPORT FROM SCOTLAND.

Aug. 26 .- The Warrant Market has been exceedingly dull during Aug. 26.—The Warrant Market has been exceedingly dull during the past week. The opening price on Wednesday was 88s., from which point a gradual decline took place until on Monday forenoon 80s. was accepted, but at this point the price rallied, and 82s. was freely paid that afternoon. Yesterday the tone was rather dull, and usiness was done from 81s. 6d. to 80s. 6d., closing with sellers at that price, and buyers offering at 80s. 3d. To-day the market shows a steady tone, with little change in prices, closing nominally 81s. The prices of makers' iron are all lower, as will be seen from the whiching quotations:—

No. 1. No. 3. mbjoined quotations:—

G.m.b. at Glasgow (deliver	able alongside)	043	. OCI	108	. ua
Gartsherrie ditto	ditto .	110	0	. 87	0
Coltness ditto	ditto	112	6	. 90	0
Summerlee ditto	ditto	107		. 82	0
Carnbroe ditto	ditto	94	0	. 82	6
Monkland ditto	ditto	90	0	. 80	0
Clyde ditto	ditto	90	0	, 80	0
Govan, at Broomielaw	ditto	90	0	. 80	0
Langloan, at Port Dundas	ditto	112	6	. 87	6
Calder ditto	ditto	111	0	. 87	8
Glengarnock, at Ardrossan	ditto	95	0	. 82	0
Eglinton ditto	ditto	87	0	. 78	θ
Dalmellington ditto	ditto	88	0	. 80	0
Carron, at Grangemouth, s	elected, ditte	100	0		
Shotts, at Leith Kinneil, at Boness	ditto	107	6		
Kinneil, at Boness	ditto	90	0	. 80	0
Bar iron	********************	£1	0 0	-	
Nail rods		1	0 0	-	
	SHIPMENTS.				
Week ending Aug. 23, 1873	*******		Tons	10.0	18
Week ending Aug. 22, 1874		***********	*****	7.6	18
9 9					_
Decrease				2.4	00
Total decrease since Dec. 25	1873			146.8	18
mports of Middlesborough pig	riron into Gran	gemonth :-		,.	
For the week ending Aug.	99 1974	Bomoden.	Tons	2 5	90
For the week ending Aug.	93 1973			2.4	
To the week ending Aug.	20, 1010	*************		2,4	1.0
Increase				-	95
Total increase for 1874					
TOTAL INCIDENSE FOR 1874			*********	00,0	34

Holders of Pig-Iron-under the depressing influences of an in-Holders of Pig-Iron—under the depressing influences of an increasing production—have become hasty sellers. Wise enough to perceive that while the make was limited to 70 furnaces they could hold to advantage, but now that some 110 furnaces are in blast, with a limited demand iron is likely to sink rapidly to a lower level, they have embraced the earliest opportunity of recouping themselves before prices fall further. In these circumstances makers iron is becoming more plentiful; but although there are still deliveries ex store, it is expected that there will be shortly a return to storing. The average price of iron during the first seven months of last year shows how much has been lost to the mining interest this year, apart from the cessation of labour through strikes. A careful comparison of values in the months indicated shows the A careful comparison of values in the months indicated shows the following results:-

Jan. Feb. March. April. May. June. July. 15a, 3d., 95s. 0d., 25s. 9d., 95s. 0d., 25s. 9d., 95s. 0d., 25s. 9d., 15s. 9d., 15s., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s., 15s. 9d., 15s., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 15s. 9d., 1 the reduction has come too late in the year to be immediately available; but, together with an abundant harvest, they think the foundation will be laid for a hopeful opening of 1875.

The tendency to dulness in the Bar-Iron Trade is rather deepening, and works are the statements.

ing, and works are only doing a limited business. In a number of the shipyards "squads" are being paid off nearly every week, and the year has the appearance of closing very quietly. All the departments of the Finished Iron Trade are rather contracting operations, and hands are being paid off. And this is the case with makers eager for work at barely remunerative prices. Anything that is offering is limited in amount, and at special prices, the quotations, even with the last reduction, being under sold. There are enquiries for 3500 tons of water-pipes for Dundee here, but it is said they will not be placed till nearer the end of the year, in the hope that they will be bought under present rates.

that they will not be placed till nearer the end of the year, in the nope that they will be bought under present rates.

The coal shipments of the week are returned as 47,909 tons, against 51,445 tons in the same week last year. Coals of all kinds are now plentiful, and with low prices not much impetus has been given to trade. This is being accounted for by the contraction of commerce throughout the world.

commerce throughout the world.

With the exception of the Fife and Clackmannan colliers, the misers are pretty quiet, and in some districts have taken to distributing the Union and strike funds. In a letter addressed to a contemporary on the latter topic Mr. Alexander Machander Machand nerce throughout the world.

that have done this the state of the pits was fearful. They now virtually say to the employer—Do so again. We ask the men also—Could they break up their funds when they expect others to interest themselves in such as them?" To distribute the funds amongst the contributories is, perhaps, the best use they could be put to at any time, but more especially when they are in want of the very funds which they had foolishly put out of their reach. From this fact the Fife and Clackmannan miners should take warning, as, in the present state of supply and demand, they can have little hope of realising an enhanced wage by a strike.

The movements in metal and mine stock are unimportant during the last eight days, no doubt in sympathy with the fall in coal and metals, Shotts being the greatest sufferer, which has been partially recovered. Tharsis better, as also Marbella, Monkland, Caradon, Merry and Cuninghame (Limited), and Pyrites; others weaker, and generally in a decline. At a meeting of Merry and Cuninghame (Limited) an arrangement with the vendors, by which their 3 per cent. guarantee for 10 years is given up on the part of the company, in consideration of 150,0000, in fully paid-up shares and concessions made by the vendors, was agreed to. It is stated that the liquidators of the Blochairn Iron Company, whose appointment was confirmed at the general meeting held on Friday last, have resolved to call up the balance of 15t, per share unpaid on capital account, making a total paid of 50t, per share. This has been brought about by the suspension of Messrs. Hannay and Sons.

The Glasgow Coal and Colliery Company (Limited) has been formed.

The Glasgow Coal and Colliery Company (Limited) has been formed, The Glasgow Coal and Colliery Company (Limited) has been former, with a capital of 50,000%, in shares of 1% each, and a first issue of 25,000 shares is now offered for subscription. The company has been formed to raise capital among consumers of coal for the acquisition of collieries by purchase or on lease, and otherwise obtaining coal at moderate prices. The nominal capital has been fixed at 50,000%; but is expect that the first issue of 25,000% will produce sufficient funds for the successful development of the objects at present in view. Favourable arrangements have been made to secure the output of several working collieries till such time as the company possesses its own pits.

#### THE SCOTCH MINING SHARE MARKET-WEEKLY REPORT AND LIST OF PRICES.

Since my last report the amount of business done in this market has been very small, and the variations in prices are for the most part quite unimportant. A serious fall may, however, be pointed out in Shotts Iron shares from 79 last week to 70 now, for which the fall in the pig-iron market from 88s, to 80s, does not seem a sufficient explanation, as if it were why have not the other iron shares suffered likewise? Another fall in the Bank rate to 3½ per cent. to-day. The effect of this as yet (12-40 P.M.) on the Mining and Mineral Share Market is nil, excepting Tharsis, which are better, at 24½ to 25. Cheap money and an abundant harvest (in which the reports from all quarters concur) are, however, influences bound to make themselves felt sooner or later in raising prices. The copper market appears to be very firm, and higher if anything. Lead un-Since my last report the amount of business done in this market market appears to be very firm, and higher if anything. Lead unchanged. Tin lower. Coal quiet, supply very plentiful. A detailed list of the several days' business follows:—

ist of the several days' business follows:—

On Thursday last, as mentioned at the close of my last week's circular, the reduction in the Bank rate firmed the market, and the amount of business done was greater, and at better prices all round. Canadian Copper Pyrites done at 64s., and closing at that price. Emma shares imm, done at 35s. 4d., closing buyers 68s.; sellers, 38s. 6d., Glasgow Caradon shares lower, done at 28s., and sellers over; buyers at 27s. 6d.; this price includes the interim dividend of 10 per ent. per annum (1s. per share), payable on Sept. 15. Huntington shares firmer, done at 53s., closing 55s. to 54s. The depressed state of these shares for some time past is stated to the owing to sales by "bears." The secretary has gone out to Canada to pash on some of the works. Several cargoes are also said to have arrived. Lochore and Capledrae still 8 to 83s. Marviella shares good, done at 99s. 6d.; then 100s., closing 5 to 5½. Merry and Cuninghame shares also improved, and done at 68s. to 86s., and closing so. Niddrie Coal Company shares slightly better, done at 42s, and sellers at that price at the close; buyers at 41s. 6d. Tharsis shares good, done at 24¼ and 13-16ths, and closing steady at those prices: new shares good. Young's Paraffin shares firmer, now buyers at 5½, sellers remaining at 6. Scottish Wagon Company shares higher; buyers at 11½, sellers asking 12; the new shares done at last price, 21s. These new shares at 21s. (11t. (7o 10t. worth) are evidently a better bargain than the old ones at 12. Chillington Iron shares firmer, at 5½ to 6½.

On Friday the market was very idle. Benhars, 14½ to 14½. Canadian

inchanged. Young's Parafin shares firmer, now buyers at 5%, sellers remaining tuchanged. Young's Parafin shares firmer, now buyers at 6%, sellers remaining tuchanged. Young's Parafin shares firmer, now buyers at 6%, sellers remaining the new shares done at last price, 21s. These new shares at 21s. (11s. for 10s. worth) are evidently a better bargain than the old ones at 12. Chillington fron shares firmer, at 5½ to 6½.

On Friday the market was very idle. Benhars, 14½ to 14½. Canadian Copper Pyrites cood, done at 63s. 6d., closing 63s. 6d. to 64s. 6d. Glasgow Caradon shares also lower, 27s. to 27s. 6d. Glasgow Port Washin, ton shares lower, a small to, done at 53s. 6d., then 35s., closing 35s. 6d. to 53s. 6d. Glasgow Caradon shares also lower, 27s. to 27s. 6d. Glasgow Port Washin, ton shares lower, a small to, done at 53s. 6d., then 35s., closing 35s. 6d. to 53s. Flagstaff slares, 3½ margin. The above quotations are equal to 33%, 37s. for a transaction of 100 shares, which is very unsatisfactory. Huntington shares good, done at 54s. 6d., closing 54s. 6d., 55s. 6d., these shares will likely improve as the settlement approaches. Lochore and Capledrue, 8 to 36; Marvelia slightly better, 51:18ths to 5½. Merry and Cuninghame shares done at 69s. and 69s. 6d., and closing so. The second annual general meeting of the shareholders of this company was held in a shareholder of this company was held an and a dividend of 10 per cent. per annum declared. Mr. John Sterling, of Klipendaire (shairman of the Korth British Raliway), was re-elected a director, and Mr. Thomas Hill, of Merrylee (chairman of the Caledonian Raliway) appointed a director of the company. After the meeting an extraor-linary one was held, as annuanced, Sir Robert Napier presiding. A resolution was put to the meeting, and estrelly control of the season of the shares of the share

better progressive mining investment at the present time. U.S. Rolling Score one at 13, being 1 higher. On Tuesday (being Contango-day) not much business was done done at 13, being 1 higher.

On Tuesday (being Contango-day) not much business was done, but the market was generally steady. Benhars done at 14% closing 14% to 14%; Canadian copper pyrites, 63s. to 64s.; Emmas done at 55s., closing 35s. to 34s.; Flagstaffs, 3½ to 4; Glasgow Caradon quiet, 26s. 6d. to 27s.; the new shares were alightly better at 17s. 6d. to 18s. 6d. Huntingtons, 54s. to 58s.; Kapundas unchanged, offered at 5s.; Lochore and Capiedrae, 5 to 34%; Marbella done at 10s., closing 5 to 5 1 12th; Merry and Cuninghame done at 69s., and closing about that price; Monkland ordinary unchanged, 79s. to 89s.; Niddrie Coal Company done at 41s. 6d.; Omoa and Clelands lower, being sellers at 68s., buyers at 68s. Scottish Australian firm, buyers at 1½; these shares are well and firmly held. The pat half-year's profit is expected to be good. Shotts, other 2l. lower, offered at 73, buyers remaining at 70. The pig-iron market has been very flat to-day, closing 80s. to 80s. 6d. Tharsis firm at 24 13-16ths, 24%, 24 13-16ths, and 24%, closing 3444 to 24 13-16ths. Yorke Peninsulas unchanged; the favourable telegram, however, seems to have brought forward some buyers. The rates of continuation were as follows:—Contangos, 3d. on C. C. Pyrites; 1½d., 2d., 2½d. on Emma; 1d. on Glasgow Caradon; 2d. on Port Washington; 3d., 2d. on Huntington; 1½d. on Marbella; 2½d. on Monkland; 9s., 6d. on Tharsis new even; Omoa and Cleland backwardations; 3d., 4½d. on Merry and Cuninghame; 8s. on Shotts; 9d., 6d. on Tharsis old. These rates are much about the same as last time, excepting Pyrites and Emmas, which are both slightly higher. The making up prices this account, compared with those of last account, show a fall of 10s. in Benhars, 5s. in Emmas, 1s. in Port Washington, 4s. 6d. in Huntingtons, 1a, in Morey and Cuninghame; 9d. in Monkland Iron, Omoa, and Cleland, and 8s. 9d. and 8s. respectively in Monkland Iron, Omoa, and Cleland, and 8s. 9d. and 6s. respectively in Monkland Iron, Omoa, and Cleland, and 8s. 9d. and 6s. respectively in

prices quite unimportant. The new account for settlement (Sept. 16) opened today. Arniston Coal Company offered at 41s. 6d., being 1s. 6d. per share premium. Benhars done at 14½ for eash, closing 14½ to 14½. Cairntable Gas Coal offered at 5½. Canadian Copper Pyrites slightly lower, 62s. 6d. to 53s. 6d. Emmas steady, done at 35s. 6d., closing 35s. to 36s. Flagstaffs, 3½ to 4. Glasgow Caradone are now quoted ex div., the price being 26s. for the old shares and 1½s. 3d. for the new. The fall in these shares from 29s., cum div., to 20s., ex div., after so satisfactory a dividend being declared, appears strange. It has doubtless been caused either by parties who had bought some time before, not with the idea of holding, but in the expectation of a dividend being announced and the shares; sing, and then selling out at a profit, or by some of those who held the shares, and desired or required to realise them, waiting until it was known whether an interim dividend was to be paid at present or not, and, if it was, expecting to realise their shares to greater advantage; and the shares might fairly enough have been expected to rise a little on the declaration of such a dividend at the present time, as it must not only be viewed as satisfactory in itself, but as showing confidence in the results to be attained in the remainder of the current year's operations. From one of these causes, then, or perhaps both, more of the shares are put upon the market at present than there is any demand for; hence the fall, and a rise will frequently be noticed in some stock or other when it is expected that something favourable is going to be announced, and when it is really announced the stock falls, even when the news squite as favourable as could be expected, simply on account of parties realising their profits. It appears to me that on this account the present is a good time for those who have any idea of going into these shares to do so with advantage to themselves, as there is every chance of their improving shortly. A similar fall a

Amoun	t	Amoni	nt	COAL, IRON, STEEL.	Lates
of share		paid u		Name.	price
£10			A.c.	Arniston Coal (Limited)	4
10		9.0	***	Benhar Coai (Limited)	14%
100	***	0.9	***	Bolckow, Vaughan, and Co. (Limited)	57
10				Cairntable Gas Coal (Limited)	814
10	000	10		Chillington Tyon (Limited)	616
32	0 0 0	00	***	Chillington Iron (Limited)	
	000		* * *	Ebbw Vale Steel, Iron, and Coal (Limited)	2234
10				Fife Coal (Limited)	53%
10			100		39s.
10			***	Ditto All paid	8
10	900	10		Lochore and Capledrae (Limited)	836
10		10		Marbella Iron Ore (Limited)	101a.
10		31	14	Merry and Cuninghame (Limited)	658.
10	***			Ditto All paid	834
10		10		Monkland Iron and Coal (Limited)	80s.
10		10		Ditto 7 per cent. Guaranteed Preference.	8
	***	200			
100			***	Nant-y-Glo and Blaina Ironworks pref. (Limited)	40
10		. 2	***	Niddrie Coal (Limited)	41s. 6d
10			***	Omoa and Cleland Iron and Coal (Limited)	68s.
50		50		Shotts Iron	70
10		4		Ditto New, issued at 21/2 premium	634
-					-/-
				COPPER, LEAD, SULPHUR, TIN.	
10		7		Canadian Copper Pyrites (Limited)	53s.
10		9.0		Ditto All paid	614
10	***	7	0.00	Cape Copper (Limited)	0076
				Cape Copper (Lamited)	2634
5	***	. 5	***	Drake Walls Tin and Copper	5
2				Dunsley Wheal Phœnix Tin (Limited)	15s.
-		25		East Black Craig Lead (Limited)	25
1		1	***	Glasgow Caradon Copper Mining (Limited)	26s.
1		159.		Ditto New	17s. 3d
10	***	8	***	Huntington Copper and Sulphur (Limited)	55a.
-		1		Islay Lead (Limited)	1
25s.	9.0 0	234.		Vanuada Coppos (Limited)	
	***		***	Kapunda Copper (Limited)	bs.
4		4	***	Panulcillo Copper Mining (Limited)	258.
10				Rio Tinto (Limited)	734
10		10	2.0.0	Russian Copper Mining (Limited)	45s.
1		1		Scottish Australian Mining (Limited)	136
1		ōs.		Ditto New	3/4
10		10		Tharsis Copper and Sulphur (Limited)	24 76
10		7		Ditto New	1736
1		i		Yorke Peninsula Mining (Limited)	48.
				Distance of Comments of Designation	98.
1		-	***	Ditto 15 per cent. Guaranteed Preference	28. pm
				GOLD, SILVER.	
1		1		Australasian Gold Mines Investment (Limited)	1
20		20		Emma Silver Mining (Limited)	356
10		10		Flagstaff Silver Mining (Limited)	356
5	***	6	***	Last Chance Silver Mining (Limited)	11/4
-				-	-/-
				OIL.	
10		7		Dalmeny Oil (Limited)	\$ 7%
5		5	***	Midlothian Mineral Oil (Limited)	778
	***		***	Taball Mineral Oil (Limited)	•
10			***	Uphall Mineral Oil (Limited)	•
10		85	5	Young's Paraffin Light and Mineral Oil (Limited)	
				MISCELLANEOUS.	
10		10	***	Dumfries Peat Fuel (Limited)	10
10		10		Highland Peat Fuel (Limited)	10
50		25		London & Glasgow Engineering & Iron Shipbuilding	25
20			4	Peruvian Nitrate (Limited)	4
10		10			14
				Railway Access	
10		10	***	Ditto Preference, 1878, Redeemable	936
10		10		Scottish Wagon Company (Limited)	111/4
1		1		Ditto New	21s.
20		20		United States Rolling Stock	13
		Lord		for this account Sept. 12; settling day, Sept. 16.	-
NOTE		The ab	ove	list of mines and auxillary associations is as full a	s oam b

NOTE.—The above list of mines and auxillary associations is as full as oan be ascertained, Scotch companies only being inserted, or those in which Scotch investors are interested. In the event of any being omitted, and parties desiring a quotation for them and such information as can be ascertained from time to time to be inserted in this list, they will be good enough to communicate the name of the company with any other particulars as full as possible.

Post Office Buildings, Stirling, Aug. 27.

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Aug. 27.—The Iron Trade of South Staffordshire is without much alteration as regards actual demand, but it is understood that more orders are in the market, and prices are, on the whole, a degree firmer. In the Finished Iron department sheets and plates continue to be the principal features of enquiry, the usual demand for hoops and other classes of produce on United States account being much below the average for the season. Strips are in better demand to meet the increasing requirements of the gas tube makers. Galvanised roofing sheets command a steadier enquiry on colonial accounts. vanised roofing sheets command a steadier enquiry on colonial ac-count. Leading firms continue to quote on the basis of 124 per ton count. I but commo ars are freely offered by substantial houses at 10% 10s., hoops at 11% 10s., and sheets (singles) and plates at 13% per ton. With the exception of the sheet and plate mills, the finished ironworks of the district are only in partial operation. The pig-iron makers quote 31. to 31. 5s. for common cinder, and 51. 10s. to 5t. 15s. per ton for all-mine (hot-air), the rates for intermediate qualities being in the usual proportion. Arrangements are being made for re-lighting additional blast-furnaces, rather in anticipation of a steadier trade than because of any actual improvement in the demand. The demand for foundry pigs is very fairly sustained, and considerable quantities are coming into South Staffordshire from Shroneship and other outlying districts. Shropshire and other outlying districts

A new colliery estate near Tamworth, comprising 1000 acres of freehold and 200 acres of leasehold, all proved to contain coal measures of an excellent quality, will shortly be brought out in the shape of a joint-stock concern. It is expected that the greater part of the capital will be privately subscribed. Mr. James Slater, of

Darlaston, is taking an active part in the preliminary arrangements, fuller particulars of which we hope to be able to announce next week. In the Coal Trade of South Staffordshire the supply continues in excess of the current demand, and at many of the large collieries stocks are rapidly accumulating. In regard to prices, the smaller firms are disposed to make some concession, and although no de-

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clared alteration has been made the course of quotations is altogether in favour of buyers. Forge coal is freely offered at 12s. per ton, and some orders have changed hands at a still lower figure. Cannock Chase coal is quoted 15s., 14s., and 13s. 6d. respectively, loaded into boats, and slack in the same@listrict is selling at 7s. 6d. to 10s. per ten. The collisions throughout South Staffordships are with farm.

boats, and slack in the same districts is selling at 7s. 6d. to 10s. per ton. The collieries throughout South Staffordshire are, with few exceptions, in very partial operation. There are sellers of coke and ironstone this week at decidedly easier rates.

Sandwell Park Colliery (10l.) shares are quoted 75, sellers; Cannock and Huntington, \$\frac{1}{2}\$ prem.; John Bagnall and Sons (Limited), \$\frac{7}{4}\$; Chillington Iron, \$\frac{5}{2}\$; Pelsall Coal and Iron, \$\frac{3}{2}\$ dis.; Ivy House and Northwood Colliery, \$1\frac{1}{4}\$ dis.; Patent Shaft and Axle, \$\frac{5}{2}\$ prem.; Railway Carriage (Oldbury), \$4\frac{7}{2}\$ prem.; and Staffordshire Wheel and \$\frac{1}{2}\$ prem.

Axle, 13 prem.

The annual "races" at Walsall, and "wakes" at Darlaston, have this week very considerably interrupted industrial operations in those

parts of the Black Country. In North Staffordshire the Iron Trade is somewhat better than last

In North Staffordshire the Iron Trade is somewhat better than last described. Plate orders are, however, not abundant, although in some cases the mills are running nearly full time. The quotation for "Crown" bars remains at 10L per ton, but very fair quality bars are to be had at 9L 10s. to 9L 15s, per ton. There is a steadier enquiry for pig-iron, but prices are for the present without alteration. North Staffordshire, which has been a long time free from colliery explosions, has again been visited, the scene on this occasion being a pit of the Ubberley Colliery, belonging to Messrs. J. Harp and Son, near Hanley. There are six pits on the celliery, and it he accident happened in No. 5. The works are under the management of Mr. R. Harp, one of the proprietors, and a certified manager, and up to Monday the pit had been free from casualty. The workings in which mining had recently been going on were at a depth of 169 yards, where a seam of 2 ft. 4 in. coal was being got. Here five men, named Richard Wenmarth, sen., Richard Vennarth, jun., John Williams, Edward Williams, his brother, descended to work at six o'clock on Monday morning. Half an hour later Mr. R. Harp, who was on the bank, heard a noise, which he knew but to well to be the report of an underground explosion, and at the same time a cloud of smoke rushed up the shaft. B fore anything could be done above groun it oasertain the extent of what had happened below the manager noticed the rope shake, and taking it as a sland from beneath had the eage lowered, and presently it returned with Samual Williams, the fireman, who fortunately was not seriously injured, and who brought tidings of the cocurrence. In the meantime colliers from neighbouring pits and other volunteers hurried to the bank, and as soon as the ventilation had been restored a descent was made for the purpose of exploring for the four other men, and if possible of rescuing them. They were, unfortunately, burled beneath a mass of brickwork and rubbish, which had been dislodged by the explosion,

#### THE SOUTH MIDLAND INSTITUTE OF MINING, CIVIL, AND MECHANICAL ENGINEERS.

The monthly meeting of members was held at their rooms, the Exchange, Wolverhampton, on Monday. Mr. B. P. WALKER (president), was in the chair, and there were present Messrs. S. Watkins, W. H. Glennie, W. J. Davies, S. Fenn, J. Biggs, J. Hodgkins, J. Laxton, E. Phillips, and D. W. Lees (secretary). The meeting approved the suggestion of the council that there should be an excursion on early days to Coalbrook day to the council that there should be an excursion on

ton, E. Phillips, and D. W. Lees (secretary). The ineeting approved the suggestion of the council that there should be an excursion on an early day to Coalbrookdale, to visit ironworks and inspect the geology of the district, go to Buildwas Abbey, and the like; and the secretary was requested to make the necessary arrangements, the opinion of the meeting being that, under the guidance of Mr. Randall and other members residing thereabouts, a pleasant and a profitable day might be spent.

The Prissident then re-introduced the important question of the Expansion of Steam, upon which he made valuable additions to the paper that he read to the Institute a few meetings before. He (the President) dwell mainly upon the great value and absolute necessity of the use of a steam indicator if engines were to be worked in anything like an economical and effective manner. He brought before the Institute the indicator of Mr. Richards, an American inventor, which he said was the best that had ever come under his notice. Mr. Walker libustrated the use of the instrument by diagrams which he drew as he spoke, and likewise showed diagrams kindly supplied by Mr. S. Watkins (consulting mechanical engineer), exhibiting the actual working of the indicator upon different engines. The information, it was explained, which the uncerting automatic work of the indicator afforded surprised the people having the charge of the engines to which it had been applied, demonstrating in many cases great defects in the working which could otherwise hardly have been ascertained, and, further, that every one of the engines was burning three times as much fuel as it ought. Mr. Walker supplemented from his own experience how, by the use of this tell-tale, he had prevented the spending of large sums of money upon engines that without its help would certainly have been entailed. The lucid observations of the speaker were very warmly appreciated by the members. They seemed to leave but little doubt upon the minds of the meeting that 90 out of every 100 steam

of the meeting that wo due there is every two are burning a vast quantity more fuel than is necessary for securing the power which is utilised.

Mr. WATKINS, in proposing a vote of thanks to the President for his valuable explanatory remarks, said it was now more evident than ever that there was an absolute necessity to economise coal. Due attention to expansion and the proper getting up and finishing of steam-engines would effect this. At present two-thirds more coal than was needed was being consumed.—Mr. GLENNIE, in seconding the motion, here testimony to the accuracy of the President's conclusions, and the persplouity of his exposition of the indicator. The members, he was sure, would all agree upon the importance of an indicator. and the necessity of its possession by everybody using steam-engines. There was no one who worked a steam-engine but should have an indicator in continual operation. It would unerringly show him when the stitch in time would obviate heavy subsequent expenses. He (Mr. Glennie) thought that he knew something of indicators before, but he had that day added to his knowledge on the subject.

The proposition having been carried, the PRESIDENT in response said that, apart from its practical bearing, the subject deserved attention on purely scientific grounds. One of the great wants of the time was sounder scientific knowledge, which greatly facilitated practical learning, obviated to a certain extent liability to err, and opened a wider field for valuable discovery.

The following new members were elected:—Mr. Charles Sparkes, Forest of Dean; Mr. David Vaughan, Wednesbury; and Mr. Isaiah Wynne, Moseley Village.

Another member was duly nominated, and the meeting was at an end.

#### BOILER INSPECTION AND ASSURANCE AT IRONWORKS AND COLLIERIES.

The twenty-fifth half-yearly meeting of the Midland Boiler Inspec The twenty-fifth half-yearly meeting of the Midland Boiler Inspection and Assurance Company was held on Wednesday, in Wolverhampton. This company, it will be remembered, was founded and is managed by the iron and coal masters of South Staffordshire and the Cleveland district. The operations during the past twelve years, it is very fair to assume, have prevented the sacrifice of many lives, and the destruction of much property; and it is highly gratifying to note the continued beneficent working of the concern. During the year there has been an increase of over 120 boilers, chiefly at iron-works and collieries, placed under the company's case and there are works and collieries, placed under the company's care, and there are

ow assured and inspected together 5597.

Mr. E. B. Marten (the head engineer) says in his report, which

Mr. E. B. MARTEN (the head engineer) says in his report, which was adopted at the meeting:—

"There was no explosion among the boliers inspected without assurance. Among the assured boliers the casualties had not been serious, and have only led to the slight scalding of one person. The tubes of four boliers partially collapsed from shortness of water. The tube of a bolier which had been reported as too weak for its work, and requiring renewal, collapsed from end to end, without disturbing the bolier. Four other boliers were injured by accumulation of scale over the fire, or in feed-pipe. During the half-year there were made 3240 examinations of boliers, of which 1237 were internal, and 1169 in the flues; 42 engines were examined with the indicator, and 159 diagrams taken, and suggestions made with a or in feed-pipe. Durling the half-year there were made \$240 examinations of boilers, of which \$1237\$ were internal, and \$169\$ in the flues; \$42\$ engines were examined with the indicator, and \$190\$ diagrams taken, and suggestions made with a view to greater economy of working. Records have been obtained of \$41\$ boiler explosions during the first half of this year, causing the death of \$44\$ and the injury of \$112 other persons; the scene of \$25\$ of these explosions was visited by the officers of this company. Of the explosions at mills of various kinds were not so fatal as usual, causing \$20\$ deaths, with \$41\$ injured. The most disastrous of the year was at a cotton mill; but the \$21\$ explosions at mills of various kinds were not so fatal as usual, causing \$20\$ deaths, with \$42\$ cases of injury. Of the different descriptions of tooliers the Lancashire and Cornish, internally fired, have exploded the most frequently, causing \$25\$ deaths, with \$47\$ injured. Only \$4\$ plain cylinder boilers, externally fired, have exploded, causing \$4\$ deaths of \$15\$ and the injury of \$35\$ persons. The causes of the explosions had be death of \$15\$ and the injury of \$35\$ persons. The causes of the explosions had be death of \$15\$ and injury of \$35\$ in from faults of working only to be discovered by inspection, such as corrosion, causing the death of \$15\$ and injury of \$35\$; 10 from faults of working only to be discovered by inspection, such as corrosion, causing the death of \$15\$ and injury of \$35\$; 10 from faults of working only to be discovered by inspection, such as corrosion, causing the death of \$15\$ and injury of \$35\$; 10 from faults of working only to be discovered by inspection, such as corrosion, causing the death of \$15\$ and injury of \$35\$; 10 from faults of working only to be discovered by inspection, such as corrosion, causing the death of \$15\$ and injury of \$35\$; 10 from faults of working only to be discovered by inspection, such as corrosion, as the working of the explosions have bed to long enquiries and very much discus

to secure effective mutual yet independent inspection have not only attained this end, but have likewise made the concern profitable, notwithstanding that upon the purely inspection operations no profit is found to have been obtained upon the tariff of charges now cur-rent. Ten per cent. per annum was divided on Wednesday amongst the shareholders, and an addition was made to the reserve fund.

#### REPORT FROM MONMOUTH AND SOUTH WALES.

Aug. 27.—There is still no great change to be noticed in the Iron Trade, but makers are further strengthened in their hope that better times are about to be entered upon. There is, undoubtedly, a better enquiry for iron, but it is confined principally so far to foundry work. But there are indications that there is about to commence a renewal of activity in the rail trade. Orders are beginning to be given out for execution on account of South America and some parts of Europe where railways are to be laid down. Manufacturers are, of Europe where railways are to be laid down. Manufacturers are, therefore, beginning again to prepare for extended operations, and the work of re-lighting has commenced. The ironmasters cannot, however, yet enter into transactions with freedom, owing to the uncertain state of the labour market. They could not take contracts very far forward if they were offered to them, because they hardly know from one week to another whether they can depend upon their wen. their men. At the end of the month the reduction of 10 per cent, in the rate of wages which has been announced will take effect, and the probability is, though the men accept the drop, they will do so with considerable reluctance, and stoppages and disputes will mar the progress of trade. The prospects of the Tin-plate Trade appear a little better, but the make has still to be restricted.

There are fewer complaints in regard to the Coal Trade, busines having increased considerably of late on account of the West Indies and from the orders which have already been booked, and those expected, it is likely that the trade in that direction will be larger for come months to come. Prices, however, are slightly easier. There is also a better enquiry on home account.

At a conference of miners' representatives and coalmasters, held at Cardiff yesterday, to discuss the 10 per cent. reduction which has been announced, the drop was agreed to by the delegates, and it is understood they will be divide all the colliers to accept it. The masters promise, however, that there shall be no further reduction in wages this year without a duly convened conference being held. It is hoped, therefore, that the strike, which was again impending, has been averted.

nas been averted.

The report submitted to the Brynmawr Coal and Iron Company meeting showed that after paying all debenture interest, writing off all preliminary expenses, and setting aside 2000. For depreciation of plant, the balance to the credit of profit and loss account was sufficient to pay a dividend at the rate of 10 per cent. per annum on the preferred and deferred shares, and leave a balance of 274. 15s. 3d. to be carried forward. The dividend at the rate of 10 per cent. per annum was declared.

At the Rhymney Iron Company annual meeting, on Wednesday (Mr. T. C. Smith in the chair), a dividend of 1l. 10s. upon each 50l. and 9s. on each 15l. share was declared, payable on Sept. 12.

#### REPORT FROM DERBYSHIRE AND YORKSHIRE.

Aug. 27.-Mining operations in connection with the raising of ead ore in the Peak and other districts in Derbyshire continue of a steady character. About an average production has been the rule for some time past, and rarely is there anything startling heard as to new discoveries. The Coal Trade has been tolerably good for the season, although not by any means brisk. The Derbyshire colliers, however, are now in a more settled state than they have been for however, are now in a more settled state than they have been for some time, and but few of them are now out of employment. Clay Cross is sending a fair tonnage to the metropolis, whilst a still larger quantity is being forwarded there from Langley Mill. The lastnamed place is rapidly increasing in size and importance, owing to its mineral wealth, and a very large addition is now being made to the house accommodation for the miners and ironworkers; indeed, along nearly the whole of the line of railway from Alfreston close upon Nottingham building operations on a large scale are being carried out. The new line of railway is finding employment for a considerable number of men, and when completed it will be the means of opening out sevenal unluable mining properties. The Iron Trade both to the north and south of Chesterfield is in a tolerably good state, but there is not so much doing with Shefield in pig by the leading makers. Near to Stanton we noticed some new furnaces being near completion. The Sheffield trades have undergone no change during the week, and, with the exception of the Bessemer works, but few are anything like busy, whilst others are working short time. The malleable casting establishment of the Messrs. Crowley is doing well, especially in some of those specialities for which the firm has a high reputation both at home and abroad. There is more doing in South Yorkshire in both house and steam coal for home consumption and exportation. The decision of the arbitrators with respect to the proposed 2½ per cent. reduction in the miners' wages, as was expected, has been given against the men. As this was a foregone conclusion, it has neither caused surprise or annoyance to those affected by it.

The directors and shareholders of the Frystone Coal Company met

The directors and shareholders of the Frystone Coal Company met The directors and shareholders of the Frystone Coal Company mon Tuesday to congratulate each other on the inding of a new coal mine. The cliery is situate near to Frystone Park, on the estate of Lord Houghton. The fiscod was turned on May 3, last year, by the Hon. R. Milnes, con of Lord Hought The Barnsley bed of coal was reached on Saturday, at a depth of 180 yards. T seam is 4 ft. 6 in. thick. The noble lord was present, and congratulated the rectors on the rapid progress that had been made in the works, and the succe that had been achieved. Being situate close to the North-Eastern Railway on tone hand, and the River Aire on the other, and being the nearest colliery in it West Riding to the ports of Goole and Hull, it has great facilities for disposing its coal.

its coal.

At a late hour this evening the result of the Miners' Arbitration in South Yorkshire and North Derbyshire was published in a circular, signed by Mr. Lloyd Jones, on behalf of himself and his colleague, Mr. Samuel Woffinden, and addressed to the Council of the South Yorkshire Miners' Association. Messrs. Jones and Woffinden have certainly entitled themselves to the thanks of the collers, for the terms they have obtained, considering the state of trade, are excellent. The 2½ per cent is absolutely conceded by the colliers as a reduction on wages, in addition to the 10 per cent. agreed to at Doneaster; but, through the exertions of the delegates, back wages are to remain untouched. The first reduction of the 12½ per cent. is to be taken on the next pay, and no further reduction or charge is to be made for three months.

#### REPORT FROM THE FOREST OF DEAN.

Aug. 27.-The opinion expressed in our last report respecting the general feeling spoken of in a summary of the report of the Parliamentary Committee on Dean Forest, as published in the Mining Journal on Aug. 15, in reference to the commutation of Rights of Common, has received a remarkable proof and confirmation of its correctness on the occasion of a public meeting held in Cinderford Town Hall on Friday. The meeting research is the proof and confirmation of its correctness on the occasion of a public meeting held in Cinderford Journal on Aug. 15, in reference to the commutation of Rights of Common, has received a remarkable proof and confirmation of its correctness on the occasion of a public meeting held in Cinderford Town Hall, on Friday. The meeting was ostensibly called to consider the report of the Parliamentary Committee, but when in session the occasion was advoitly diverted to political objects, such as returning thanks for support in votes given at the last election, laudation of the party, excuses for short comings, and attempts to bamboozle earnest men of progress, why such and such times, the speakers deluding themselves that the public sufficiently verdant to swallow anything that is delivered at a palaver. Most of the time having been consumed in political matters, scarcely any was left to the subject ostensibly given for calling the meeting, and the meeting has, therefore, been very generally looked upon in the district as a failure in relation to the labours and report of the Parliamentary Committee on Forest matters. The meeting, however, furnished a sort of field day to the chief speakers—Lord Fitzharding, Col. Kingscote, and the Chairman, Mr. W. Crawshay. Several questions were put to the speakers towards the close of the meeting by two or three persons in the Hall, to which it was not convenient for the chief speakers to reply, on account of the awkwardness of not being able to reply satisfactorily. But it is to an undesigned coincidence which occurred in connection with this meeting that we wished to call attention—that is, the numerous muster of keepers of sheep which run the Forest, who, alarmed at the supposed prospect of losing commonage, had got up a numerously signed memorial against shutting up the Forest to exclude local graziers, but little was said or done for their consolation. The panic created amongst them, however, and their carnestly expressed wishes against the proposal, fully confirm the view we expressed last week in our report, that the general feeling in favour of communation of common rights

men will be effected, or that an improvement in trade may render it adagain shortly enter upon active operations.

CHLORIDISING SILVER ORES—THE STETEFELDT FURNACE

Since the introduction, five years ago, of the Stetefeldt furnace g the Nevada Land and Mining Company's mill at Reno it has been the Nevada Land and Mining Company's mill at Reno it has been than the been than the second market as the second ma proved to require no essential changes in its construction, and to other invention for chlorodising roasting of silver ores has been able supersedeit. The system of firing the furnace with gas generately charcoal, or a mixture of charcoal and wood, as first applied in them nace at the Manhattan mill, Austin, has, as Mr. C. A. Stetefeldt explain. in an interesting communication to the Engineering and Ministrans, been discarded in all furnaces erected since 1873. Although this system gives excellent results, as shown by the Manhattan miles of the communication of this system gives excellent results, as almost uninterrupted operations where the furnaces have been in almost uninterrupted operations since July, 1870, it was found to be complicated, and requiring monetary and attention than labourers in this country are generally as the state of the sta since July, 1870, it was found to be compined and requiring more care and attention than labourers in this country are generally willing to exercise. The heat is now supplied by burning wood common fire-places, but an air-slit is arranged above the fire-bridge in order to insure a perfect combustion, and to admit a surplus of oxygen for ores rich in sulphurets. In the feeding machine to change has been made. The principle of rubbing the ore through a punched screen seems to be the only one which answers the purpose. The next improvement contemplated in the furnace is a continuous mechanical discharge of the roasted ore. At present theoretical such a such and the surple of the shaft. The objection to this is that during the operation too much cold at enters the furnace, and the ore falling at the time is not properly roasted, so that it is necessary to stop the feeding.

They are now constructing three sizes of furnaces—28 ft., 30 ft. and 35 ft. high, and 4½ ft., 5 ft., 5½ feet square respectively, the smallest size having one fire-place to the shaft and the others two the surple of the surple of the shaft and the others two the surple of the surple of the shaft and the others two the surple of the surple of the shaft and the others two the surple of the surple of the surple of the shaft and the others two the surple of the surple of the shaft and the others two the surple of the surple of the shaft and the others two the surple of the surple of the shaft and the others two the surple of th

tons in 24 hours. When the ores are heavy sulphurets the capacity of each furnace would be considerably lessened. On the other land, with ores containing only a slight percentage of sulphurets the apacity would be considerably increased. If ores carry no sulphurets, but contain the silver in combinations which will not amalgamate without ablackding recent in the contain the silver in combinations which will not amalgamate without ablackding recent in the contain the silver in combinations which will not amalgamate but contain the silver in combinations which will not amalgamate without chloridising roasting, it is essential to mix such ores with sulphurets, in order to effect a decomposition of the salt and a chloriation of the silver. The best effect is produced by mixing pyrite of iron; also sulphurous acid, generated by the burning of sulphur, introduced into the lower part of the shaft, gives good results. The materials required to build a Stetefeldt furnace of medium size, including dust-chambers flue, chimney, and cooling-floor are:—Stone eluding dust-chambers, flue, chimney, and cooling-floor are: cluding dust-chambers, flue, chimney, and cooling-floor are:—Stona, 570 cubic feet for lower part of furnace and dust chambers; bricks, 160,000; fire-bricks, 1000; castings, including feeding-machina, 7500 lbs.; wrought-iron bolts and braces, 3500 lbs.; the total expenses of constructing the furnace, including dust chambers, flue, chimney, conveyors and elevators from battery, cooling-floor, and building to cover the whole, varies in Nevada and Utah from \$500 to \$13,000. In the Eastern States a furnace could be erected for much less. Objections have been made to the cost of the furnace; but considering its great capacity, simplicity, economy, and good much less. Objections have been made to the cost of the furnace; but considering its great capacity, simplicity, economy, and good results, and the substantial manner in which it is constructed (indeed, so perfect is the plan, that only few and slight repairs will be needed during years of continuous use), the expense cannot be reneeded during years of continuous use), the expense cannot be regarded as high. The expense of chloridising roasting 1 ton of silver ore, including the cooling of the same, will vary in Nevada from \$3.75, to 6.50 per ton, according to the grade of ore, capacity of funce, price, of labour, salt, and fuel. The Stetefeldt Furnace Company licenses furnace rights under a royalty of 50 cents per ton ores assaying below \$50 per ton, and a royalty of \$1 per ton on ores assaying above \$50 per ton. These royalties are commuted at resonable figures, if the parties desire to do so.

Altogether 20 furnaces have been erected, of which 14 are in Nevada, three in Utah (the so-called Aikin furnace at the mill of Messrs. Walker Brothers, as well as that at the mill of the Shorbridge Company, having been licensed by the Stetefeldt Furnace

bridge Company, having been licensed by the Stetefeldt Furnass Company, one in Colorado, and one in Mexico, and one in Au-tralia. After several years of thorough working on the most varied ores of silver, it may be declared that the Stetefeldt furnace has, with ores of silver, it may be declared that the Stetefeldt furnace has, with one doubtful exception, given almos' complete results, both to economy and the perfect chloridising roasting of those ores which require the process. The exception alluded to is that at the Stewart Silver Roasting Works at Georgetown, Colorado, which, after a series of changes and fruitless experiments, has been replaced by the old reverberatory furnaces; and it should be explained that Mr. Stewart had originally built an Airey furnace, which was a clumsy infringement of the Stetefeldt, and as the results were not satisfactory at attempt was made to convert it into a Stetefeldt; but the relative proportions of the altered furnace still deviated materially from the usual form, and as the Stetefeldt furnace, pure and simple, has not been erected or tried in Colorado, it is, therefore, still an open question whether or not it would, if properly constructed, give satisfaction whether or not it would, if properly constructed, give satisfactory results; for it is well known in similar cases that seemingly unimportant deviations bring about different results. On the other hand, it cannot be denied that the ores in the vicinity of Georgetown are of a very peculiar character, and difficult to treat. In most of these ores, not only the sulphurets (galena, zinc-blende, and pyrites or copper and iron) are predominant over the gangue, but galena and zinc-blende are so intimately mixed that we should have to seek in this peculiarity an explanation of the cause of failure, should are predominant over the gangue, but the state of the should have the state of the s to seek in this peculiarity an explanation of the cause of failure, should even a furnace of perfect construction treat these ores without satisfactory results. In this case the difficulty could be explained as follows:—If a particle of ore, consisting of zinc-blende and galena intimately mixed, is exposed to the oxydising and chloridising influence in the Stetefeldt furnace, sulphate and chloride is lead, both easily fusible, are formed, coating the particles of the argentiferous zinc-blende, and preventing their complete oxydation and the chlorination of the silver.

So far, the Stetefeldt furnace has only been used for the chloridising of silver ores, but is adapted as well for the treatment of all

So far, the Stetefeldt furnace has only been used for the chloridising of silver ores, but is adapted as well for the treatment of all
ores which require an oxydising roasting in a finely pulverised condition—as for instance, zinc-blende. Mr. Stetefeldt directs special
attention to the treatment of pyrites which contain sufficient copper
and gold to pay for working. This is the case in the gold mining
districts of the Southern States, mainly in North Carolina and Virginia. A personal inspection of these districts has convinced him
that one main cause of the numerous failures there has been the lack that one main cause of the numerous failures there has been the lack of proper modes of reduction. By raw amalgamation these suiphurets yield only a low percentage of gold, accompanied by a heavy loss in quicksilver. If, however, these ores are roasted, the gold seasily amalgamated, and the loss of quicksilver is reduced in the statefully former than the stateful former can be r at a trifling expense, and at the same time the copper made available. He proposes that the beneficiation of the ores should be effected able. by dry crushing through a No. 35 wire screen; roasting in the Stete feldt furnace with condensation in water of the acid fumes formed by the roasting; leaching of the roasted ore with the acid water to extract copper; precipitating copper from the solution by iron; and amalgamating the ore, after leaching, in Crosby's amalgamator to extract the gold. He estimates that the total expense of this process, considering the low price of labour and fuel in North Carolina and Virginia, will not exceed in works of 25 to 30 tons capacity in 24 hours \$3 per ton, which will allow the treatment of very low-

PUMPS.-Mr. W. H. BROOKES, of Birkenhead, has patented 8 PUMPS.—Mr. W. H. BROOKES, of Birkenhead, has patented 80 improvements in pumps. In constructing a plunger or ram pump according this invention the ram or plunger is made hollow and fitted with a valve guard at its foot. This valve opens out from the interior of the ram or plung and forms the suction valve of the pump. A suitable distance up the hollow of the pump, and of width corresponding with, or rather more that, stroke of the pump, and of width corresponding with the diameter of the suct pipe, which enters the barrel of the pump opposite the slot, and a suitable distance up the pump. The plunger or ram is fitted below the through slot with spr packing rings, which are placed round the plunger or ram, and between the valve of the pump is fitted at the foot of the pump is fitted at the foot of the pump, is fitted at the foot of the pump and may be of any suits form. The pump is provided with a suitable packing gland for the ram if for necessary, also with connecting-rod and suitable working gear. TO MINING ENGINEERS.

TO MINING ENGINEERS.

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TO CAPITALISTS AND SPECULATIONS.

1 OBE DISPOSED OF, a most VALUABLE ANTHRACITE COLLERY, in efficient and going order, situate in the GWENDRAETH VALEY, CARMARTHENSHIRE. It is fitted up with all necessary machinery, tee, for carrying on a very extensive trade. The lease is most advantageous, very low royalities, and sleeping rent. The coal is considered equal to the best in the

istrict.
For further particulars apply to "T. W.," Post Office, Lianelly.

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POR SALE, a very good second-hand 50 in. cylinder PUMPING ENGINE, 10 ft. stroke, with TWO CORNISH BOILERS and FITTINGS, 11 toss each; condensing work equal to new.

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ORSALE.—
A 50 inch Cornish PUMPING ENGINE, new.
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A 2½ horse power SEMI-PORTABLE ENGINE, on stand plate.
A large quantity of PITWORK and other MINING MATERIAL.
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TOR SALE, a HORIZONTAL HIGH-PRESSURE ENGINE, 13½ in. cylinder, 24 in. stroke; HORIZONTAL HIGH-PRESSURE ENGINE, 14 in. cylinder, 30 in. stroke; and a PAIR of GUN-METAL PUMPS lin. diameter, 12 in. stroke; also, a TUBULAR BOILER, upt o 60-horse power of Yorkshire plates throughout. to W. T. HENDRY and Co., 2, Wilson-street, London E.C.

OR SALE, an EXCELLENT 30-in. cylinder ROTARY ENGINE. For particulars, apply to John R. Daniell, Solicitor, Camborne.

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MA 46-in. cylinder PUMPING ENGINE, © ft. stroke in, 7 ft. out, with
HHEE good 1 ton BOILERS.
A4-in cylinder STAMPING ENGINE, and 0-ton BOILER, with TWO new
HIT-WHEELS, and 36 heads of STAMPS, complete.
A4-in. cylinder PUMPING ENGINE, 10 ft. stroke in, 9 ft. out, with 10-ton

Albin. cylinder WINDING ENGINE, and 8-ton BOILER, with cage, &c. ompicio.
Thengines can be inspected on the Great Work Mine, near Helston, Cornwall.
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MESSRS. F. W. MICHELL AND CO. have FOR SALE several CORNISH PUMPING, STAMPING, and WINDING ENGINES, of differentiares: BOILERS from 6 to 12 tone each; PTWORK of all sizes; CORNISH CRUSHERS; STAMP AXLES; IRON FLAT-RODS; STRAPPING PLATES; and other MATERIALS in general use in Mines, &c. EAST CARN BREA, REDRUTH, CORNWALL.

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NEW WHEAL CHARLOTTE, ST. AGNES

SALE OF MINING MACHINERY AND MATERIALS. MR. WILLIAM NICHOLL WILL SELL, BY AUCTION, on Wednesday, the 2nd of Sentember 2022 o on Wednesday, the 2nd of September next, at One o'clock precisely, the hole of the ENGINES and other MATERIALS on the above mine, comprising—ONE 36 in. cylinder PUMPING ENGINE, 9 ft. stroke, with BOILER, 11 tons, early equal to new.

early equal to new.

ONE 22 in. cylinder WINDING and STAMPING ENGINE, with cage, and
yood engine-house; BOILER, 3½ tons.

ONE 16 head STAMPS AXLE, with lifters, frames, and horses, complete (quite

2 9 in. 12 ft. working barrels. 1 10 in. sinking windbore. 1 10 in. doorpiece. 1 10 in. plunger pole. 1 8 in. ditto

8 in. ditto pairs of strapping plates. fms. of main rods, from 8 in. to 10in. fms. of % capstan chain. horse whims. fms. of flat rods, with stands and

pulleys.

Bucket rods, skip road, and skip

equal to new). 130 fms. whim chain.

52 tt. shears.
King and Queen post balance bob. balance bob, at Flat-rod Shaft.

in. 4 ft. ditto in. H piece.

8 in. doorpiece.
8 in. windbores.
11 in. pole case.
10 in. stuffing box and gland.

ladders.
2 drop screws; smiths' tools.
5 wood sheds and roofs. Whim rope, wood launders, a large quantity of old timber, also the tin dressing opliances, consisting of buddles, kieves, strips, &c., and the account house fur-

niture.

The above will first be offered in One Lot, and, if not so disposed of, will be im mediately sold in lots, to suit the convenience of purchasers.

Refreshments at Twelve o'clock.

PEREMPTORY SALE OF MINING MACHINERY AND EFFECTS MR. HOWARD WILL SELL, BY AUCTION, at CASTLE-AN-DINAS MINE, St. Columb, on Saturday, September 5th, 1874, at Elever

A.M., the WHOLE of the

MACHINERY, MATERIALS, AND EFFECTS,

Comprising ONE 38 in. cylinder ROTARY ENGINE, 10 ft. stroke, 2 fly wheels,
20 tons of BOILERS; THREE 12 heads STAMPS AXLES (5 cams to the round),
with lifters, stands, &c.; twe winding drums; 20 fms. of 12 inch pumps, and bottom of 10 in. plunger; 25 fms. of 9 inch drawing lift, &c.; pole and pole case;
50 fms. of flat rods, bucket rods, bridge rails, chain buddles, kieves, tools, materials, and other articles in general use in mines, full particulars of which may be
had on application to the Auctioneer, St. Columb.

Dated 18th August, 1874.

WHEAL MARY TIN MINE, ST. DENNIS, CORNWALL. VALUABLE TIN MINE AND MACHINERY FOR SALE.

M. HOWARD WILL SELL, BY PUBLIC AUCTION (under powers contained in a certain Indenture of Mortgage), at the Commercial Inn, 8t. Dennis, on Monday, the 7th day of September next, at Two for Three o'clock in the afternoon, in One Lot, as a going concern (subject to such conditions as will be then and there produced),

o'clock in the afternoon, in One Lot, as a going concern (subject to such conditions as will be then and there produced),

THE WHEAL MARY TIN MINE,

Situate in the said parish of ST. DENNIS, held under lease for 21 years, from the 24th of June, 1872, at 1-18th dues, subject to a minimum rent of £20, to merge in dues, together with the whole of the TIN and other ores, LEAVINGS, and HALVANS in and upon the Mine on the day of sale; and also the ENGINE, MACHINERY, PITWORK, MATERIALS, and other effects thereon, comprising—ONE horizontal ENGINE, 18 in. cylinder, fly-wheel, and ONE 10 ton BOILER, and 2 stamps axles, with 24 heads of stamps, all complete; flat rods, pullies, stand, &c.; 9 in. drawing lift, bob, main rod, and other necessary connections, repeating lift, &c.; about 100 tons of railroad iron; six 9 in. pumps, tram wagons, shears and chain, tin house, dressing utensils, and appliances; materials, smiths and carpenters' tools, and a variety of stores and material in general use.

The sett is nearly a mile square. Five rich lodes running through the entire sett have been discovered, a large quantity of tinstone is on the mine ready for the stamps, and the further supply thereof is considered practically inexhaustible, and it is believed by some of the best practical tin miners that at the present low price of tin large profits may be made by working the mine with energy.

To view apply to JAMES QUINTRELI, the bailiff in possession, on the mine; and for any further particulars to the Auctioneer, Fore-street, St. Columb; or Messrs. HODGE, HOCKIN, AND MARRACK, Solicitors, Truro. Dated August 18th, 1874.

COEDCAE FARDRE COLLIERY, NEAR PONTYPRIDD

MESSRS. D. EVANS AND SON are instructed TO SELL, BY AUCTION, at the New Inn Hotel, Pontypridd, on Wednesday, September 9, 1874, at Three P.M., subject to such conditions of sale as shall be then produced, ALL THAT COLLIERY known as the COEDCAE FARDRE COLLIERY,

Situate at Liantwit Fardre, in the county of Glamorgan, together with the PLANT and MACHINERY belonging thereto, the property of Mr. David Williams. The property comprises 15 acres of the Nos. 2 and 3 seams of Liantwit coal, situate on the north crop of the Liantwit basin, and having an average aggregate thickness of § ft. 6 in. The No. 3 seam, which is well known to be the best in the South Wales basin for house and gas purposes, has been won by a level, and is now in full working order.

South Wales basin for house and gas purposes, has been won by a level, and is now in full working order.

The colliery is situated close to the public road, about 400 yards from the siding of the well-known Tynant Collieries, and in close proximity to other collieries in the parish of Liantwit Fardre, a few minutes walk from the Liantwit Station of the Taff Vale and Liantwitsant Junction Railway, and lies at a very convenient distance from the town of Liantwissant, where, as well as in other neighbouring villages, the coal commands a ready sale.

The property is held under an agreement for a lease from William Salmon, Esq., for a term of 14 years, from June, 1871, subject to a sleeping rent of £20 per annum, and the low royalty of \$61, per ton of £20 lbs.

For further particulars, apply to the Vendor, Coedoae Fardre, Pontypridd; to the Auctioneers, at their offices; or to Messrs. Spickett and Price, Solicitors, The Court House, Pontypridd.

WHEAL VINCENT MINE SETT AND MATERIALS TO BE SOLD. IN ONE LOT, AS A GOING CONCERN.

MESSRS. SPEAR AND PALMER have received instructions TO SELL, BY PUBLIC AUCTION, at Webb's Hotel, Liskeard, on Thursday, the 10th day of September, 1874, by Three o'clock in the afternoon (aubject to such conditions as will then be read), all that VALUABLE and EXTENSIVE MINING SETT, called

WHEAL VINCENT.

Situate in the parish of Altarnun, in the county of Cornwall, comprising—
FIVE KNOWN LODES running through the sett, which is about one mile in length and half a mile in breadth; and also all the MACHINERY, PLANT. MATERIALS, PITWORK, and other effects, comprising account house, carpenters and smiths' shops, burning house, covered dressing floors, one 30 in. cylinder rotary double-acting engine and boiler, together with 32 heads of stamps and gear, in good condition, buddles, hauling machine, shears, trainway, rods, pumps, lifting tackle, and all other materials and builtings on the mine.

The mine is adjoining the turnpike road leading from Launceston to Bodmin, and is situate about one mile from Five Lanes.

The sett will be sold for the residue of a term of 21 years, from the 13th day of November, 1571, subject to the payment of the annual rent of £6, but free from lords' dues until the mineral sold from the mine shall amount in value to £12,000, afterwards dues 1.24th.

The mine is laid open to the depth of 30 fms. Two good lodes have been worked upon, and produced within a short time tin which has realised £4341, and as all the machinery is on the mine and in perfect working order it is believed that a little further outlay of capital spent in sinking and extending the levels will result in the opening up of one of the best mines in the county.

The mine is open for inspection, and may be seen by any party applying to Capt. Odgers, the agent on the mine.

Any further information and particulars may be obtained of the Auctioneers; or of Mr. E. Nicolls, Solieitor, Callington.

Dated Callington, August 7th, 1874.

PEMBROKESHIRE .- PARISH OF LOVESTON. VALUABLE FREEHOLD MINERAL ESTATES FOR SALE.

MESSRS. GODE AND OWEN have been favoured by instructions TO OFFER FOR SALE, BY PUBLIC AUCTION, on Tuesday, the 16th day of September, 1874, at the White Lion Hotel, Tenby, at One for Two o'clock precisely, first in One Lot, and then if not sold in Four Lots, the undermentioned IMPORTANT FREEHOLD MINERAL PROPERTY:—LoT1.—The desirable FARMS of GREAT LOVESTON and HUNGERFORD, held under lease by Mr. Henry John, containing by admeasurement 269A. 1R. 14r. or thereabouts.

held under lease by Mr. Henry John, containing by admeasurement 269A. 1R. 14p. or thereabouts.

Lot 2.—The excellent CORN GRIST MILL, called Loveston Mill, with comfortable DWELLING HOUSE (all in substantial repair), and 8A. 2R. 38p. of good MEADOW and PASTURE LAND, held by Mr. John Beddoes under a lease for the unexpired term of eight years.

Lot 3.—The valuable FARM of MOORE, in the occupation of Mr. Thomas Griffiths, as tenant from year to year, containing 198A. 3R. 7r. of good PASTURE and ARABLE LAND.

Lot 4.—The compact FARM of LITTLE LOVESTON, in the occupation of Mr. Josiah Beynon, as tenant from year to year, containing by admeasurement 46A. 3R. 28p., or thereabouts.

The above property is situate upon the great mineral basin so celebrated for its anthractic coal fields and ironstone, and lies within easy distance of a shipping port at Creswell Quay on the one side, and railway communication on the other. The main roads of the country intersect the farms.

Plans and particulars are in course of preparation, and may be obtained at the offices of Messrs. GROYNNE and STOKES. Solicitors, Tenby; or of Messrs. GOODE and OWEN, Estate Agents and Valuers, Haverfordwest.

PIT SINKING AND WINDING COAL.

FOR SALE, and ready for immediate delivery, a 14, 18, 25, and 35 horse power PORTABLE STEAM ENGINES, with link motion, reversing gear, winding drum, gear, so, complete.

Also, a 9 and 18 horse power VERTICAL ENGINES, with link motion reversing gear, suitable for mining operations.

FOR SALE,—An excellent PORTABLE STEAM ENGINE; and a 7-ft. PAN MORTAR MILL.

Apply to—

ARROWS AND STEWARTS ENGINEERS BANDERS.

BARROWS AND STEWARTS, ENGINEERS, BANBURY.

In Chancery.

RAMSBOTTOM v. MORRELL. GLOUCESTERSHIRE, IN THE FOREST OF DEAN.

GLOUCESTERSHIRE, IN THE FOREST OF DEAN.

WO VALUABLE COLLIERIES, known as the RISING SUN ENGINE COLLIERY (FREEHOLD), and UNION COLLIERY (LEASEHOLD), extending
together over about 520 acres, and comprising SEVERAL VALUABLE SEAMS
of COAL, with good railway accommodation.

the property is situate about three miles from Coleford, and four from Lydney,
traversed by the Bixslado and Dark Hill Valleys, and is on the Severn and Wye
Railway, connecting Lydney on the Bristol Channel, with Lydbrook on the
Ross and Mommouth line, a branch of which line, expected to be completed this
year, runs through the property.

Ross and Mommouth line, a branch of which line, expected to be completed this year, runs through the property.

these collieries are well worthy the attention of coalowners and enterprising colliers, as shafts can be opened without any unusual expense, and with the certainty of finding coal, obviating the risk commonly attendant on the opening of

M ESSRS. DANIEL SMITH, SON, AND OAKLEY have received instructions TO OFFER the above VALUABLE PROPERTIES FOR SALE, BY AUCTION, at the Mart, Tokenhouse-yard, E.C., on Wednesday, September 30th, at One for Two o'clock precisely, by order of the Master of the Rolls, to whose Court this cause is attached, in Two Lots.

LOT 1 will comprise the RISING SUN ENGINE COLLIERY, 200 acres; and LOT 2 the UNION COLLIERY, 320 acres.

Particulars and plans may shortly be obtained of Messrs. Prior, Bigg, Church, and Adams, Solicitors, 61, Lincoln's Inn Fields, W.C.; of Messrs. Graham and Sons, Solicitors, Abingdon, Berks; of Marcus W. T. Scott, Eq., 4, Westminster Chambers, Victoria street; at the Bell Hotel, Gloucester; at the Mart; and of the Auctioneers, 10, Waterloo-place, Pall Mall, S.W.

TO BE SOLD, pursuant to an Order of the High Court of Chancery, made in a Cause Belancy v. Ffrench on the 14th day of February, 1874, and with the approbation of the Vice-Chancellor Sir James Bacox, by Mr. SNAPE, at the Lion House, Wrexham, in the county of Denbigh, on Friday, the 18th day of September, 1874, at Four o'clock in the afternoon, in Three Lots, overtain

certain FREEHOLD PREMISES AND MINERALS,
Situate in and near WREXHAM aforesaid.

Lot 1 being a FREEHOLD MESSUAGE or DWELLING HOUSE, with
the appurtenances, situate on the east side of Hope-street, Wrexham, formerly
known as the Wrexham Club House, now in the occupation of Messrs. Simms as
veryly tenants.

the appurtenances, stude to the action of the same as yearly tenants.

Known as the Wrexham Club House, now in the occupation of Messrs. Simms as yearly tenants.

Lot 2 being FOUR SEVERAL PLOTS, PIECES, or PARCELS of FREE-HOLD LAND, containing 1347 square yards or thereabouts, abutting on Hill-street and Regent-street, in Wrexham, now in the occupation of Mr. Hugh Davies, builder, his under tenants or assigns held by the said Mr. Hugh Davies, under a lease dated the 30th day of April, 1857, for a term of 99 years, from the 25th day of March, 1854, at a ground rent of £2'98, per annum, which will be payable to the purchaser. These premises are sold subject to the said lease, and the purchaser will be entitled to the rack rental of the premises on the expiration of the said term; and

Lot 3 being the MINERALS lying under the PENTRE-R-FRON FARM, comprising a mineral area of 31 acres (little more or less), the farm being in the occupation of Mr. Edward Boynton as a yearly tenant at the rent of £60. The farm lies to the west of Wrexham, and about four miles distant therefrom.

Particulars and conditions of sale can be obtained (gratis) in London from Messrs. WARD, MILLS, WITHAM, and LAMBERT, 1, Gray's Inn square, W.C.; and Messrs. HESSMAN and NICHOLSON, 25, College Hill, Cannon-street, E.C.; and in the country from Mr. JAMES OFBYERE, Central Chambers, 17A, South Castle-street, Liverpool; and from Mr. SNAPE, the Auctioneer, Lion House, Wrexham.

EDWARD BLOXAM, Chief Clerk.

Dated this 7th day of August, 1874.

MINE FOR SALE, BY TENDER

MINE FOR SALE, BY TENDER.

THE COMMITTEE appointed to WIND-UP the CARN CAMBORNE MINE INVIE TENDERS for the PURCHASE of the same as a GOING CONCERN.

This mine is situate in the parish of Camborne, Cornwall, immediately adjoining the Dolcoath Mine, and in close proximity to several other of the most important mines of the district.

A very large amount has been expended in developing the property during the 13 years it has been held by the present company, and considerable quantities of both tin and copper ores have been raised and sold; the north lode now in the bottom being worth about £40 per fathom.

About nine years of the leases, granted by Sir R. R. Vyvyan and J. F. Bassett, Esq., remain unexpired.

The MACHINERY comprises a 22-in. cylinder ROTARY ENGINE; crusher, with driving wheels; 180 fms. of steel wire rope; 30 fms. of flat-rods; drawing and plunger lifts; 100 fms. of pitwork; a 13½-in. cylinder stamps engine; 30 fm and all other requisites for carrying on the concern.

For further particulars, apply to the Secretary, Mr. John Harding, 51, Canal, Sailsbury; and for viewing to Capt. W. PENBERTHY, at the Mine.

Sealed tenders to be delivered to the Secretary on or before Thursday, the 10th September, endorsed "Tender for Carn Camborne Mine."

The Committee do not pledge themselves to accept the highest or any tender.

September, endorsed "Tender for Carn Camborne Mine."
The Committee do not pledge themselves to accept the highest or any tender.

TO BE SOLD, BY TENDER, all that 40 in. cylinder PUMPING ENGINE, equal beam, with ONE BOILER, 10 tons, and first picee of mala rod complete: also 14 in. STAMPING ENGINE, 12 head stamps' axle, with heads, lifters, frame, &c., complete.

The whole of the above machinery is in excellent condition, and can be seen at Wheal Osborne, Crowan, on application to Capt. WILLIAM Rowe, South Maradox Villa. Camborne.

Fina, Camborne.
Sealed tenders will be received up to Monday, Sept. 7, 1874, by W. PAGE CAR10ZA, Esq., Camborne; and Mr. B. Libby, Auctioneer, &c., Camborne.
Neither the highest nor any tender will be necessarily accepted.
Dated Camborne, August 19, 1874.

PROGRESSIVE MINE FOR SALE.

HELVELLYN MINING COMPANY, WYTHBURN, near WINDERMERE.

TO BE DISPOSED OF, the LEASES, WORKS, MINE, and PLANT of the above company, in one or in the following portions, each adjoining:

A PLANT of the more company, in one or a three states adjoining:

1.—HELVELLYN END, comprising about 600 acres. In this sett are contained the chief drivings on the various lodes, which have yielded thousands of pound worth of lead ore; and at the present moment present every indication that they will speedily become a most valuable and remunerative property.

2.—WHELPSIDE, about 400 acres. Here are situate the dressing floors, tramway, ample machinery for crushing and dressing, with the stores and offices.

3.—BIRKSIDE, 350 acres, containing proved veins of iron and copper (carbenate) not yet explored.

The Results of the second seco

TO ZINC SMELTERS, CAPITALISTS, AND SPECULATORS. TO BE SOLD, a bargain to an immediate purchaser, for £5000 (lowest price), one of the finest ZINC MINING PROPERTIES in EUROPE, situated in the PICOS DE EUROPA, province of SANTANDER, SPAIN, comprising FIVE MINES, having a superficial area of 395,000 square meters.

SPAIN, comprising FIVE MINES, having a supernoise area of section metres.

The mineral is abundant, of excellent quality; the calamine, when calcined, yields 60 per cent. of metallic zinc, and the lead, which is found in considerable quantities, yields 75 per cent. A road has been made to the mines by the preprietors at a cost of 50,000 fr., and there is a good house, workmen's cottages, blacksmiths shop, stable, &c., which together cost 15,000 fr.; also THIRTY ACRES of good FREEHOLD LAND.

The titles are a direct Government concession, free of all royalties, to purchaser for ever. A good shipping port is within easy distance, and labour is cheap and abundant. With spirited working under judicious management this property is capable of producing a net profit of at least £10,000 a year. Immediate pessession given.

TO CAPITALISTS.

TO CAPITALISTS.

OR SALE, —IN NEW SOUTH WALES, —

1340 ACRES TIN LANDS,—Lode and Stream.
2430 ACRES COPPER LANDS (portions freehold).
2112 ACRES IRON AND COAL.
2250 ACRES COAL (inland, on railway line).
200 ACRES COAL (inland, on railway line).
200 ACRES FLUMBAGO.
105 ACRES FLUMBAGO.
The above properties are all first-class, and on or near railway lines or water

The above properties are all first-class, and on or near railway lines or water carriage, and are the very "pick" of their respective districts (being some of the first selections made).

Liberal terms, either as to purchase or working on royalty, will be given to parties able to carry out arrangements.

Apply to the owner.

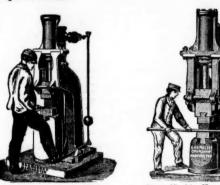
CHARLES W. WEEKES, Circular Quay, Sydney, N.S.W. TOR SALE, a FINE ESTATE in SWEDEN, of about 1100 acres.
One-fifth is under culture, the remainder consisting of FORESTS, filled
with fine timber, principally fir, birch, and poplar, and containing very LARGE
DEPOSITS of MAGNETIC, PURPLE, and other IRON ORES; as also COPPER
and COBALT—all of which have been partially worked. The largest opening is of
magnetic ore, which has been traced 2000 ft. in one direction by the needle, it is
situated within 20 yards of a railway, which runs through the property to a shipping place on one of the lakes 1½ mile distant. One of the undersigned will accompany any intending purchaser to inspect.
Apply to Pracock Brothers, Sunderland.

POR SALE.—ONE 50 in. cylinder PUMPING ENGINE, 10 ft. stroke in cylinder, 8 ft. in shaft, with ONE BOILER.
ONE 24 in. cylinder WINDING ENGINE, 8 ft. stroke, ONE BOILER and DRAWING CAGE complete.
Apply to Mr. WILLIAM LANGDON, Northumberland Foundry, Launceston, Cornwall.

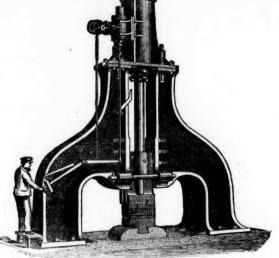
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SPECIAL STEAM STAMPS, of great importance for Forging, Stamping, Punching, Bolt-making, Bending, &c. STEAM HAMMERS for Engineers, Machinists, Shipbuilders, Steel Tilters, Millwrights, Coppersmiths, Railway Carriage and Wagon Builders, Colliery Proprietors, Ship Smiths, Bolt Makers, Cutlers, File Makers, Spindle and Flyer Makers, Spade Makers, Locomotive and other Wheel Makers, &c; also for Use in Repairing Smithies of Mills and Works of all kinds; for straightening Bars, bending Cranks, breaking Pig-iron, &c.





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From 60 to 100 Steam Hammers and Steam Stamps may usually be seen in construction at the Works.

ROBERT DAGLISH & Boiler Makers, Engineers and Ironfounders, &c.,

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VALVELESS ENGINES, AIR-COMPRESSORS FOR COLLIERIES AND PUMPS.

CHEMICAL PLANT OF EVERY DESCRIPTION.

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FOR LOCOMOTIVE AND MARINE BOILERS,

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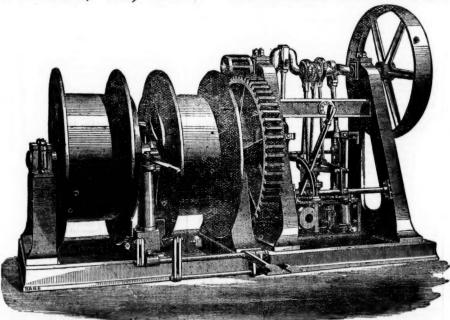
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WASHING THE COKE OUT OF THE ASHES OF COAL.

These Apparatuses pay already where Five Tons of Coal are daily consumed, as this quantity would give at least 10 cwts. of Coke.

the HUMBOLDT ENGINE-WORKS, in KALK, near Deutz-on-the-Rhine.

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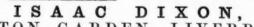


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Takes less room, and can be supplied for less money, than any other Engine of same power.

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40000	Glasgow Cara., c* [30,000 £1 p., 10,000 Great Laxey, l, Isle of Man*	0 18	s. p.]	***			***	0	5 10 17 0	. 0	1 0 And	r. 1874
15000	Great Laxey, I, Isle of Man*	4	0 0	***	1034	11 12	**		17 0	. 0	6 0Api	r. 1874
8908	Great Wheal Vor. t. c. Helstonts	40	15 0	***	11/4		***		2 0 19 6	0	1 0Aug 2 6Jun	g. 1014
6400	Great Wheai Vor, t, c, Helston†§ Green Hurth, l, Durham* Grogwinion, l, Cardigan*	0	6 0			534 6		. 1	8 0	. 0	4 0 May	y 1874
20000	Grogwinion, I, Cardigan*	2			31/2	21/4 3		. 0				
1024	Herodsfoot, I, near Liskeardt	8	10 0		314	3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	***	62	5 0	. 0	15 0Oct 5 0Dec	. 1872 . 1872
25000	Killaloe, sl. Tipperary	m.)	0 0	***	178	4 474	***	0	3 0	0	0 6Mai	r. 1873
400	Lisburne, I, Cardiganshire	18	15 0	***			***	563	10 0		0 0May	y 1874
11000	Melindur Valley / Cardigan	0	10 0		314	3 3½ 3 3½ 15 20	***	0	3 7	0	1 6Jan 3 7Jun	1874
9000	Minera Mining Co., I, Wrexham*	5			20	15 20	***	63	11 8	. 0	2 0Ma	y 1874
20000	Hingston Downs, c, Caistock*(£1s Killaloe, si, Tipperary Lisburne, i, Cardiganshire Lovell, t, Wandron Melindur Valley, i, Cardigan* Minera Mining Co., i, Wrexham* Mining Co. of Ireland, ci, c, i* North Hendre, i, Wales North Levant, t, c, St. Just;	7	0 0	***			***	0	8 0	· U	3 6July	y. 1872
2000	North Levent t c St Justi	11			214		***	4	15 0	0	2 6Jun 12 0Sep	
7000	Old Traburgett # s./ ordinary shares	1					***	0	0 9		0 9Feb	
9000	Old Treburgett, * s-l (10 per ct. pref.)	0	10 0		3/2	% % % %	***	o	0 10%	0	0 1014 Feb	. 1874
5694	Old Treburgett, * s. f., ordinary shares Old Treburgett, * s. f. ordinary shares Old Treburgett, * s. f. (10 per ct. pref.) Pedn-an-drea, t, Redruth f, Penhalls, t, St. Agnes Penstruthal, t, c, Gwennap Phoenix, t, c, Linkinhorne f, Polberro, t, St. Agnes Prince Patrick, * s. f. Holywell Providence, t, Lelanti f, Roman Gravels, l, Salop*	9	2 0	***	1%	1 11/	***	0	5 0	0	5 0Nov	. 1871
\$0000	Penstruthal t.c. Gwennan	3	0 0	***	3/8	1 11/4	***	0	1 0	0	2 0July 1 0Nov	y 1874 . 1873
6000	Phoenix, t, c, Linkinhornes	ā	13 4	***	21/2	2 2%	***		19 10	0	4 0Nov	. 1872
1772	Polberro, t, St. Agnes	15	0 0	***			***	1	12 6	0	5 0Mar	1872
18000	Providence, t. Lelantté	16	0 0	***	4	3 314	***		7 0	o	2 0July 10 0Bept	t. 1872
2000	Roman Gravels, I, Salop* Shelton, cl., t, St. Austell South Caradon, c, St. Cleer South Carn Brea, c, t, Illogan South Darren, I, Cardigan*	7	10 0	***	151/2	3 334		4	2 0	0	8 6Aug 1 0Feb.	g. 1874
10000	Shelton, cl, t, St. Austell	1	5 0	***	90	90 100	***	715	0 0	0	0 0July	1872 y 1874
8000	South Carn Brea, c, t, Illogan	î	17 6	**	21/2	2 214	***	0	10 0	0	2 6 July	1872
6000	South Darren, I, Cardigan*	3	6 6	***	-		***	0	1 6	0	1 6Nov	. 1870
			10 0	***		7 8	***	8	9 0		4 0Nov	
6000	Tankerville, I, Balop* Tincroft, c, t, Pool, Illogan† Tritoril, t, t, Bodmin Trumpet Consols, t, Helston Van, I, Ilanidices* W. Chiverton, I, Perranzabuloe† West Tolgus, c, Redruth West Wheal Frances, t, Illogan Wheal Roset, c, Illogan	6	0 0	***	32	30 3234	***	47	8 6	0	6 0Feb. 5 0Aug	. 1874
15000	Tretoil,* t, i, Bodmin	2	0 0	***			***	0	1 0	0	1 0 Mar	. 1874
4000	Trumpet Consols, t, Helston	6	5 0	***	25	1/4 3/4 20 25	***	12	11 0	0	10 0Nov	. 1872
8000	W Chiverton / Perrangabulant	10	5 0	***	214	20 20	***		10 0	0	10 0July 5 0Jun	e 1873
512	West Tolgus, c, Redruth	98	0 0	(	60 xdl	2 2 ½ 57 ½ 62 ½ 10 11	***	1	0 0	1	U UAug	. 1874
2048	West Wheal Frances, t, Illogan	27	3 9		111/2	10 11	***	638	12 6	0	5 0Oct. 10 0Aug	1872
4295	Wheal Kitty, t. St. Agnes	5	2 6	***	736	7 714	***	11	14 6	ô	3 0May	1874
896	Wheal Margaret, t, Uny Lelanti	15	17 6	***		, .	***	82	2 3	0	3 0May	1872
10000	Wheal Mary, t, St. Dennis*	76	5 0	***	80	70 75	***	522	1 0	4	1 0Jan. 0 0Aug	. 1873 . 1872
12000	Wheal Russell, c. Tavistock	1	0 0	***	80	10 10	***	0	2 9	0	0 9Mar	. 1874
18000	Wheal Tregoss,* t, Roche	1	0 0	***			***	0	1 0	0	1 0Jan.	1873
10000	Wheal Whisper, t, c, Warleggan*	2	0 0	***	314			52	9 0	0	0 6May 2 6Mar	1873
1000	West Wheal Frances, t, Illogan Wheal Basset, c, Illogan Wheal Kitty, t, 8t. Agnes Wheal Margaret, t, Uny Lelant Wheal Mary, t, 8t. Dennis Wheal Mary, t, 8t. Dennis Wheal Owles, t, 8t. Just Wheal Russell, c, Taylstock Wheal Tregoss, t, Roche Wheal Whisper, t, c, Warleggan Wicklow, c, sul, i, Wicklow			***		I TATTE	***	02		•		. 1012
	FOREIG	N g	DIV		END B	MINES.		1	8 9	0	2 0Mar	1974
30000	Alamillos, l, Spain*†	ĩ	0 0	***	3/4	14 14	***	0	4 3	0	1 0 May	1873
20000	Australian, c, Bouth Australia† Battle Mountain,* c, (6240 part pd.) Birdseye Creek, g, California*	7	7 6					0	11 6	0	2 0July	1873
10000	Battle Mountain, c, (6240 part pd.)	5	0 0	***	23/	21/4 23/4	***	0	14 0	0	10 0Nov.	1874
6000	Bensberg, t, Germany* Burra Burra, c, So. Australia Cape Copper Mining, † So. Africa. Cedar Creek, g, California* Central American Association*†	10	0 0	***		-/4 -/6	***	0	17 4	0	8 0July	1873
12320	Burra Burra, * c, Bo. Australia	5	0 0			27 28	***	56	0 0	0	10 0 Oct.	1872
40000	Cape Copper Mining," 1 80. Africa.,	7	0 0	***	271/2	136 136	***	16	15 0 5 0	U.	0 0June	1873
80000	Central American Association*†	0	15 0	***		-20 -20	***	0	6 0	0	1 0 July	1869
15000	Chicago, s, Utah*	10	0 0	***		9 91/	**	0	16 0	0	4 0Sept	. 1873
76162	Chicago, s, Utah* Colorado Terrible, s-l, Colorado*† Don Pedro North del Rey*†	0	0 0 16 0	***	31/	3 3%	***	0	9 6 5 9	0	1 6July 2 0Mar.	1874
3500	Don Pedro North del Rey T. Eberhardt and Aurora, s, Nevada*; Eldorado, g, Nova Scotia* Emma, g, s, Utah (25,000 fully pd.) English and Australian, c; 8. Aust.	10	0 0	***	4/2	36 36 4% 4%		1	0 0	1	0 0July	1871
2352	Eldorado, g, Nova Scotia*	10	0 0	***	-			3	5 0	0 1	15 0June	1873
00000	English and Australian, cf S. Aust.	20	10 0	***	136	1% 1% 1% 1%	***	2	7 3	0	6 0Dec.	1873
15000	Ferguson, g. California*	2	0 0			/-		0	8 0		3 0Apri	

	FUREIC	N. K	$\nu$	T A	IV.	DIND I	MIT	L'ES							
35500	Alamillos, I, Spain*†	9	0	0		13/4	134	134	111	1	8	9	9	0 Mar.	1874
	Almada and Tirito Consol., s*†	1	0	0	***	3/4	36	3/4		0	4	3 (	1	0 May	1873
20000	Australian, c, Bouth Australiat	7	7	6	***					0	11	6 (	2	0July	1873
	Battle Mountain, * c, (6240 part pd.)	5	0	0	***				***					0 Nov.	
	Birdseye Creek, g, California*	4	0	0		23/4	21/4	23%	***	0	14	0 (	) 2	6June	1874
	Bensberg, I. Germany*	10	0	0	***					0	17	4 (	8	0July	1873
	Burra Burra, * c, So. Australia	5	0	0		- ***			***	56				0 Oct.	
20000	Cape Copper Mining, "† So. Africa	7	0	0		2734	27	28		16	15	0	0	0June	1874
40000	Cedar Creek, g, California*	5	0	0		21/3	136	13%	***	0				6June	
80000	Central American Association*†	0	15	0	***	-				0	6	0 0	1	0July	1869
15000	Chicago, s, Utah*	10	0	0	***				**	0				0Sept.	
	Colorado Terrible, s-l, Colorado*†	5	0	0		314	3	334	***	0				6July	
76162	Don Pedro North del Rey*†	0	16	0		×3	3/8	78	***	3				0Mar.	
	Eberhardt and Aurora, s, Nevada*†	10	0	0	***	43/2	434	436		1				0July	
	Eldorado, g, Nova Scotia*	10	0	0						2				0June	
	Emma, * g, s, Utah (25,000 fully pd.)	20	0	0		11/4								0Dec.	
70000	English and Australian, of S. Aust.	2	10	0		136	134	136	***	2	7	3 (	,	6 Mar.	1873
15000	Ferguson, g, California*	2	0	0	***					0	8	0 0	3	0April	1872
20000	Flagstaff, s, Utah*	10	0	0	***	334	314	334		4				0July	
	Fortuna, I, Spain*†	2	0	0		434				4	4	4 (	. 8	0 Mar.	1874
	Gold Run, Ayd	1	0	0	***	36	3/4	3/4		0	2	4 0	0	4Oct.	1872
68000	Kapunda Mining Co. Australiat	1	3	0	***	36		34	***	0	2	4 (	0	6June	1873
20000	Last Chance, s,* Utah	5	0	0	***	15%	11%	13/4	***			0 (		0July	
15000	Linares, I, Spain*†	8	0	0	***	334	314	334				10. 0		6 Mar.	1874
	Lusitanian, Portugal*† (£5 shares).	8	10	0	***	114	3/4	134		1		6 0		6Mar.	
	Mammoth Copperopolis of Utah, c, s	10	0	0	***				***	0				0Dec.	
	Mountain Chief, s, Utah*	10	0	0		-				0				0Jan.	
18000	Prussian Mining & Ironworks, el, i.	30	0	0	***	-			***	6				0July	
	Pontgibaud, s-l, Francet	20	0	0		21		21		15				9June	
100000	Port Phillip, g, Clunes*†	1	0	0	***	38	36	36		1	8	0 (	1	0Jan.	1872
84000	Richmond Consols, s, Nevada*†	8	0	0	***	634	836	63/x	d	1	16	6 (	. 8	0July	1874
120000	Scottish Australian Mining Co. * 1	1	0	0	***				***	15	per	cent		May	1874
112500	Bierra Buttes, g, California*†	2	0	0	***	234	2	234	***	1	8	0 1	, 2	0 Dec.	1873
	South Aurora, s, Nevada*	5	0	0		1/2	34	3/4	***			2 (		0Nov.	
15000	Sweetland Creek, g, California*†	4	0	0	***	436	37/8	43/8	***	2	16	0 (	) 4	0June	1874
20000	Tolima, g, s4 (6000 sh. are £5 f. pd.)	- 4	0	0		314	. 8	31/4						6May	
	Westphalian, s-l, c, Prussia*	20		0	***				***					0Dec.	
15000	Western Andes, s* (8000 £5 fy. pd.)	3	10	0	***	814	. 3	3%	***	1	8	7	1 6	0 Aug.	1874
	NON-DIV	IDI	CN	D	FO			MIN	ES.						
	MON-DIVI	127	SEA.	n)		TATAL CO.	44 4	TARA	226.71		_				

	NON-DIVIDEND FOREIG						
Share			Paid.		Last Pr.	Clos. Pr	. Last Call.
20000	Angle-Australian, g, Victoria*	2	10 0	***			Bept. 1872
20000	Australian United, g, Victoria*†	3	10 0	***	136	136 136	Fully pd.
3000	Bellavista, s, Peru* (£10 shares)	10	0 0	***			Fully pd.
	Blue Tent, hyd., California				834		Fully pd
	Braganza, g, Brazil*†			***			Fully pd.
12000	Camp Floyd, s, Utah*	10	0.0	***			Fully pd.
35000	Cesena Sulphur Company, Romanga, Italy*	10	0 0	***			Fully pd.
80152	Chentales, g, s, Nicaragua*† (and 12,542 of £1 15s.)	2	0.0	***	56	34 84	Fully pd.
6000	Clifton, s. Colorado*	5	0 0	***		10 10	Feb. 1872
10000	Clifton, s, Colorado* Crescent, g, Plumas County, California*	10	0 0	***			Fully pd.
100000	Culaba, g, Minas Geraes, Brazil*	0	17 6	***			June 1872
			-	***	***		
10000	Douglas, s, Georgetown, Col.	0	0 0	***			Fully pd.
7500	East Sheboygan Preference* (40,000 ordinary shares) Excelsior Hydraulic Gold Washing Co., California*	2	0 0	***			Fully pd.
85000	Excelsior Hydraulic Gold Washing Co., California*	6	0 0				Dec. 1871
80000	Exchequer, g, s, California*	1	0 0	***		1.00	Fully pd.
88000	Frontino and Bolivia, g, New Granada*†	2	0 0	***	34	36 36	Fully pd.
50000	General Brazilian, g*	1	0 0				Fully pd.
10000	Goetzel Tunnel Co., Georgetown, Col	7	0 0	***			Fully pd.
40000	Holcombe Valley, g,* California	1	0 0	***	1		July 1873
6000	Hornachos, * s l, (£10 shares)		0 0				Jan. 1874
20000	Holcombe Valley, g, * California.  Hornachos, * s i, (£10 shares)  Imperial Brazilian Collieries, Brazil*	5	0 0	***			Fully pd.
20000	Independence, g, California*	6	0 .	***	23/4	234 234	Fully pd.
20000	I. X. L., g, s, California*	5	0 0				Fully pd.
80000	Javali, g. Nicaragua*	2	0 0		36	36 36	Fully pd.
12000	Lancetosa, * l, z, Viscaya, Spain (£2 shares)	1	10 .	***			Jan. 1874
65000	London and California, g*†	2	0 0				Fully pd.
	Malabar, g, Colombia* (65000 issued)	1	0.		34	36 34	Fully pd.
4000	Malaga, I, Spain*	10	0.0	***	- 74	73 74	Fully pd.
40000	Malpaso, g, Colombia* (10000 pref. shares, 10s. paid)	1	0 0	***	3/4	% %	Fully pd.
12000	Menzenberg, c, Honnef, Germany*	ŝ	5 0			78 74	Fully pd.
14000	Montague & Waverley Gold Quartz Crushing Co., * N. Scot.	2	0 0	***			Allotment
4000	Monte Loreto a a Italy*	ř.	0 0	***			Fully pd.
15000	Monte Loreto, g, c, Italy* New Pacific, g, s, Nevada* New Quebrada, c, Venezuela*	0	7 6	***	34	34 34	Jan. 1874
44000	Nam Onehmede a Venernole*		0.0	***	•3/	814 814	Fully pd.
50000	New Bossein & Marion*	1	0 0	***	1	76 1	Fully pd.
20000	New Rosario, s, Mexico*	*	0 0	***		436 436	Fully pd.
20000	Newfoundland, * !	10	0 0	***	434	*74 *74	Fully pd.
10000	North American, g*	4	0 0	***			Fully pd.
	Panuleillo, e, Chili*†	7	0 0		1	34 1	Fully pd.
80000	Pestarena United, g, Italy*†		0 0		-	78 A	Fully pd.
BURNO	Pleas Colombia (40000 issued)	1	0 0	***			Fully pd.
	Rica, g, Colombia* (40000 issued)		0 0	***	8	734 8	Jan. 1874
100000	Rossa Grande, g, Brazil*† (£1 shares)	0	19 0	***			
000000	Puber Consolidated a Voyada		0 0	***	34	% %	Fully pd.
20000	Ruby Consolidated, s, Nevada*	10	0 0	***	91/	2 234	
	Russia, c, Orenburg and Uta*†			***	234	, -	Fully pd.
25000	San Pedro, c, Chili*	2	0 0	***	58	34 34	Fully pd.
20000	Santa Barbara, * o. Brazil	0	7 6	***	1	7/8 1	Mar. 1872
10000	Bilver Plume, s, Colorado*	1	0 0	***			Fully pd.
87500	Snowdrift, s, Colorado*	3	0 0	***			Fully pd.
£253000	) St. John del Rey*† (£5 stock and its multiples can be des	alt:	in)	***		240 250	" Stock"
26000	St. Lawrence, g, California	5	0 0	***	***		Fully pd.
	Star of Nevada, s* (12000 issued)		0 0				Fully pd.
30000	Tecoma, s, Utah* Thornhill Reef, g, Australia* United Mexican. s, Mexico*†]	10	0 0		7/4	36 36	Fully pd.
20000	Thornhill Reef, g, Australia*	1	0 0	***	34	36 36 36 36	Fully pd.
43174	United Mexican, s. Mexico*fl	28	7 8	***	834	316 816	May 1868
14000	Utah, c. s-l, Utah*	5	0 0		34	34 54	Fully pd.
25000	Utah, g, s-3, Utah* Victoria (London)*, g, Australia (25,000 sh. 16s. pd.)	1	0 0	***	¥	14 14	Fully pd.
78000	Yorke Peninsula, e, Bouth Australia	1	0 0	***	36	34 34	Fully pd.
		-	-				

6 E	Iare	made	calls	since last	dividend	*45	paid.
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	Shares. NON-DIVIDEND MI	Paid. Last Pr. Clos. Pr.	
-	25000 Aberdaumant, l, Llanidloes*	1 0 0 11/411/4 11/4	1
id 74	18000 Ambrose Lake, t, c*	1 10 0 8 0 0 2¾2½ 2½ 2 0 0	1
73 7 <b>3</b>	50000 Ballycumnisk,* c, Schull 12000 Bedford Consols, c, Tavistock 12000 Bedford United, c, Tavistock 25000 Bedford United, c, Tavistock 25000 Belstone, * c, Devon(3000 sh. 2s.6d. nd.)	1 7 0 1 17 6 34 34 34 1 0 0 36 34 34	
72 74	25000 Belstone, *c, Devon(8000 sh. 2s.6d. pd.) 5000 Blue Hills, t, c, St. Agnes	3 0 0 34 36 34	1
72 73	1800 Bog, i, Shropshire* 12000 Bowden Hill, * mn (7000 sh. £1 pd.) 20000 Brynambor, i, Cardigan 30000 Burrow& Butson, * i, c, bi, St. Agnes 20000 Burro Burra, * i, c, bi, Kenwyn 5468 Bwadrain, *-i, Cardigan* (£4 shares). 4898 Bwich Connels, *-i, Cardigan* (£4 shares).	0 15 0 — 1 0 0 — 1 0 0 —	
74 73 73	20000 Burra Burra, * t,c, bl, Kenwyn	1 0 0 ¾ ¾ ¾ 3 16 0 — ···	1
12	12000 Cae Gynon, l, Cardiganshire*†	2 0 0 — 2 0 0 —	
14	600 Carden* (£10 shares)	4 0 0 5 3 6 ¥ 16 14	
13	10000 Cathedral, t, c, Gwennap*	1 10 0 1 1½ 1 1½ 5 0 0	2
13	6000 Cefn Consols, l, Flintshire*	5 0 0 5 0 0	
4	24051 Crenver & Abraham*† (25949 sh. £1). 15000 Cwm Bychan,* s.!, Montgomery		
4	24061 Crenver & Abraham* (25949 sh. 21)	1 0 0	1
2 2	256 Cwmystwith, l, Cardiganshire 60 15000 Deer Park, t, c, Tavistock	1 0 0 — 2 11 0 — 0 0 0 — 2 0 0 — 3 0 0 8 2% 8	1
3	7500 Denbighshire Consolidated, l*	3 0 0 3 2½ 3 9 14 6 8 6 8 1 0 0 —	
4 4	10000 Duchy Great Consols, c, Calstock 3 10000 Dunsley W. Phænix, t, Linkin.* 15000 Dyliffe, t, Montgomeryshire	0 0	1
2 4 3	512 East Basset, c, Redrutht	3 10 0 1½1½ 1½ 5 0 0	î
4	11	5 0 0 134134 134	
1 4 3	12000 East Cwm Vron, t, Llanidles 3000 East Delcoath, t, Illogan 10 6000 East Grenville, c, Camborne 10	0 0 0 3 16 6 36 36 36	2
2	4000 East Gunnislake and So. Bedford, c 13 50000 East Llangynog, l, Montgomery* 2 30000 E. Nant, v. mwyn, * l. Brecknockshire.	0 0	
2	account of the state of the sta	0 0 0 1 1 1	
2	12800 Excelsior, t, c, Stoke Climsland 0 5000 Flintshire,* l 0 12800 Florence and Tonkin United* l 0	0 0	
0 1	10000 Franco Consols, t, c*	0 0 16 0 ¥ ½ ¥	
3	8000 Fronvellan, l, Mont.* [4000 sh. fy. pd.] 0 18000 Furze Hill, t, Tavis.*	15 0 0 0 15 0 15 0 16 16	
2	3950 Gawton, c, Tavistock	10 0	
3	10000 Glan Severn s-/ Flintshire 1	0 0	
2	30000 Glasdir, c*  128 Gluvian Moor, s-l, St. Columb	5 0	
3	7500 Gorsedd and Celyn Level, I, Flint   2   20000 Great East Foxdale, I, Isle of Man   1   10000 Great Mountain, s-I, Carnarvon*   1   2000 Great Retallack, s-I, b, Perranzabulce   25000 Great Snacfell, I, Isle of Man   0   4400 Gt. West Chiverton, s-I (8000 shares)   2   4006 Great Wh. Lovell, t, Wendron   2   10240 Gunnislake (Clitters'), t, c   5   12000 Islay, J, Beotland*   5   6000 Killfreth, t, Chacewater   5   15000 Kingston Valley, I, Cornwall   5   15000 Kingston Valley, I, Comwall   1   150000 Lally Ashburton, s-I, t, Callington   1   150000 Lally Ashburton, s-I, t, Callington   1   15000 Lady Ashburton   1   15000 Lady Ashburt	0 0 — 0 0 — 8 0 —	
2 4	25000 Great Snaefell, l, Isle of Man 0 4400 Gt. West Chiverton, s-l (8000 shares). 2	8 0 — 15 0 — 10 0 —	
3	4096 Great Wh. Lovell, t, Wendron	5 0	
	6000 Keswick United, l*	0 0 2 0 ¼ ½ ¼	
3	50000 Kingston Valley, l, Cornwall	0 0 13/ 3/ 1 2 0 10 0 3 23/ 3	
	12000 Ladywell, 2   8alop   2   2500 Levant, c , t , St. Just   8   10000 Llanarmon, Denbigh   8   20000 Llanidlees Wh. Van, 2   Montgomery   2   20000 Llanidlees Wh. Van, 2   Montgomery   1   20000 Llanywet, 1   2   2   2   2   2   2   2   2   2	10 0	
	20000 Llandloes Wh. Van,* I, Montgomery   3   30000 Llanwest, I, Carnaryon   2   17000 Llawernog, I, Cardiganshire   0   6000 Llynelya Unit., I, c, exide, Salop   2	0 0 0 0 2½ 16 0	
3	6000 Llynclys Unit., l, c, oxide, Salop 2 9000 Marke Valley, c, Caradon* 4	0 0	
	9000 Marke Valley, c, Caradon*	7 10. — 0 0 — 0 0 —	
3	2500 Menhenniott,* s-i   1   2500 Menhenniott,* s-i   1   26000 Mount Dalby, s-i, Isle of Man*   1   6144 Nanglles, t, c, Kea   9   4000 Nanty, l, Montgomeryshire*   1   2000 Nanty, l, Montgomeryshire*   1   2000 Nanty, l, Montgomeryshire*   1   8000 New Beldon, l, Northumberland*   1   8000 New Dolcoath, t, c, Camborne*   2   4008 New East Lovell, t, Wendron   0   2000 New Hendra, l, Brague   2   2   2   2   2   2   2   2   2	14 0 14 14 14	
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10 Bilson & Crump Meadow Coll. Co.[L.] 7
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50 Blochairn Iron Co. [L.]
30 Ditto dittoB 30
50 Bowling Iron Co. [L.]
50 Hritannia Ironworks [I. ] 95
50 Brown, Bailey, and Dixon [L.] 40 100 Brown, John, and Co. [L.] 70
100 Cammell and Co. [L.] 80
20 Cannock and Huntingdon Coal [L.]. 2 10 Cardiff & Swansea St. Coal Co. [L.]. 4
5 Chapel House Colliery 5
50 Charlton Iron Co. [L.] 35 50 Chatterley Iron Co. [L.] 40
10 Chillington Iron Co. [L.]
10 Consett Iron Co. [L.] 7
1 Consett Spanish Ore [L.]
20 Darlington Iron Co. [L.]
10 Clee Hill Colliery Co. [L.] 10 10 Consett Iron Co. [L.] 7 11 Consett Iron Co. [L.] 7 11 Consett Iron Co. [L.] 10 12 Consett Spanish Ore [L.] 20 20 Darlington Iron Co. [L.] 8 10 Davis's Merthyr Colliery Co. [L.] 10 15 Davy Brothers [L.] 22 15 Elbbw Vale Co. [L.] 29 16 Englefield Colliery Co. [L.] 10
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10 General Mining Ass. [L.] (£1 returned) 9 1 Glaisdale Whinstone Quarry
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20 Great Western Coai Co. [L.] 17 2 Gwyngwillim Colliery Co. [L.] 2
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50 Knowles, Andrew, and Sons [L.] 17 10 Llay Hali Coal, Iron, & Firebrick [L.] 10
5 Littledean Woodside Coll. Co. [L.] 5
10 Llangennech Colliery Co. [L.]
13 LlynviValley Col. Co. [L.] 15 p.c. pref. 10 10 Lydney and Wigpool Iron Ore [L.] 7
10 Marbella Iron Ore Co. [L.] 10 10 Marbella Iron Ore Co. [L.] 10 10 Merry and Cuninghame [L.] 31 6 Mersey Steel and Iron Co. [L.] 5 5 Mold Argoed Colliery Co. [L.] 5 10 Wookbased Jeron L. Co. [L.] 5
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100 Nant-y-Glo and Blaina (8 p. c. pref.) 100
1 Norbudda Coal and Iron
10 Newport Abercarn Coal Co. [L.] 4 10 No. of Ireland Iron Company [L.] 3
10 Northmeta. Coal, Iron & Wagon [L.] 8
00 Parkgate Iron Co. [L.] 65
20 Patent Shaft and Axletres [L.] 10 20 Pelsall Coal and Iron [] .]
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50 Rhymney Iron Co. [L.] 50
00 Sandwell Park Colliery Co. [L.] 100 50 Ditto
50 Shotts Iron Co. [L.] 50
100 Sheepbridge Iron and Coal [L.] 55 10 Sheffield Forge and Rolling Mill [L.] 21
50 Silkstone & Dodworth Cl. & Iron[L.] 17 5 Silkstone Fall Colliery Co. [L.] 5
DECINE HOMEOURE LAND COMMISSION AND INC.
80 Somorrostro Iron Co. [L.]
00 Staveley Iron and Coal Co. [L.] 60
00 Ditto ditto New 10 10 Stranton Iron and Steel Co. [L.] 7 20 South Cleveland Ironworks [L.] 20
00 Thames fron Company
16 Titanic Iron and Steel 5
1 United Bituminous Collieries [L.] 10
10 Vancouver Coal [L.]
50 Welsh Ironworks Co. [L.]
25 W. Cumberland I. and Steel [L.] 20 10 West Mostyn Coal [L.] (12 p.c.pref.)
5 West Swansea Colliery Co. [L.] 3 10 Whitehaven Iron Co. [L.] 10
00 Wigan and Whiston Coal Co. [L.] 70
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\* Limited Liability Companies; † quoted on the Stock Exchange the companies; the companies of the Stock Exchange the companies; the companies of the Stock Exchange the companies; the companies of the Stock Exchange the companies of the compa